FAC(A)-494 1.3 2 AV-8B A (NS)

Goal. Introduce AC-130 Call For Fire.

Requirement. Perform visual/sensor reconnaissance on 3 tactical targets, generating target coordinates with aircraft systems. Plot targets on gridded imagery/chart and prepare a call-for-fire brief. Emphasize accurate call-for-fire communications and adjustment procedures. Execute 3 missions.

Performance Standards
Executes appropriate search, detection, and PID profiles.
Correctly uses aircraft systems for target coordinate and call-for-fire brief generation.
Provides accurate verbal description during talk-on attacks.
If required, marks the target with a CEP less than 300 meters.
Correct ALSA Communication Brevity.

Prerequisite. FAC(A)-490.

Ordnance. TPOD, expendables.

Range Support. RSTD, LSR, HE. JCAS, JDAM, LGB.

External Syllabus Support. One AC-130 and a ground FAC.

14. Escort

a. Purpose. Develop proficiency escorting FAC(A).

b. General. None.

c. Ground/Academic Training. None.

d. Flight and Simulator Event Training. (1 Event, 1.3 Hours).

ESC-495 1.3 R 2 AV-8B A (NS)

Goal. Introduce FAC(A) escort.

Requirement. Escort a FAC(A).

Performance Standards
Execute assigned tasking.
Provide support to FAC(A) to include communication with MACCS, CAS platform de-confliction.
Maintain situational awareness of FAC(A) and ground units.

Prerequisite. Section Lead.

Ordnance. Free fall ordnance or PGMs and expendables, TPOD.

Range Requirements. Per FAC(A) mission.

140. INSTRUCTOR UNDER TRAINING (IUT)

1. MAWTS-1 Certifications

a. Purpose. Enumerate MAWTS-1 instructor training syllabi.

b. General. All certification sorties will be conducted in accordance with the MAWTS-1 Course Catalog. The Commanding Officer of MAWTS-1 must approve any deviations.

c. Ground/Academic Training. Refer to the MAWTS-1 Course.

d. Flight and Simulator Event Training. (25 Events, 28 Hours).

SWTO-500 1.0 E WST/NWST/RNWST S

Goal. WTO certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SWTO-501 1.0 E WST/NWST/RNWST S

Goal. WTO certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SWTO-502 1.0 E WST/NWST/RNWST S

Goal. WTO certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SWTO-503 1.0 E WST/NWST/RNWST S

Goal. WTO certification sortie.

Requirement. See MAWTS-1 Course Catalog.

WTO-504 1.3 E 2 AV-8B A

Goal. WTO certification sortie.

Requirement. See MAWTS-1 Course Catalog.

WTO-505 1.3 E 2 AV-8B A

Goal. WTO certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SLATI-510 1.0 E WST/NWST/RNWST S

Goal. LATI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SLATI-511 1.0 E WST/NWST/RNWST S

Goal. LATI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

LATI-512 1.0 E 2 AV-8B A

Goal. LATI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

LATI-513 1.0 E 2 AV-8B A

Goal. LATI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

LATI-514 1.0 E 2 AV-8B A

Goal. LATI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SNSI-520 1.0 E WST/NWST/RNWST S NS

Goal. NSI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SNSI-521 1.0 E WST/NWST/RNWST S NS

Goal. NSI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

NSI-522 1.3 E 2 AV-8B A NS

Goal. NSI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

NSI-523 1.3 E 2 AV-8B A NS

Goal. NSI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SNSLATI-524 1.0 E WST/NWST/RNWST S NS

Goal. NS LATI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

Prerequisite. LATI and NSI.

SNSLATI-525 1.0 E WST/NWST/RNWST S NS

Goal. NS LATI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

Prerequisite. SNSLATI-524.

NSLATI-526 1.3 E 2 AV-8B A NS

Goal. NS LATI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SACTI-530 1.0 E WST/NWST/RNWST S

Goal. ACTI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

ACTI-531 1.3 E 2 AV-8B A

Goal. ACTI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

ACTI-532 1.3 E 2 AV-8B A

Goal. ACTI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

ACTI-533 1.3 E 2 AV-8B A

Goal. ACTI certification sortie.

Requirement. See MAWTS-1 Course Catalog.

SFAC(A)I-540 1.0 E WST/NWST/RNWST S

Goal. FAC(A)I certification sortie.

Requirement. See MAWTS-1 Course Catalog.

FAC(A)I-541 1.3 E 2 AV-8B A

Goal. FAC(A)I certification sortie.

Requirement. See MAWTS-1 Course Catalog.

FAC(A)I-542 1.3 E 2 AV-8B A

Goal. FAC(A)I certification sortie.

Requirement. See MAWTS-1 Course Catalog.

FAC(A)I-543 1.3 E 2 AV-8B A

Goal. FAC(A)I certification sortie.

Requirement. See MAWTS-1 Course Catalog.

2. VMAT-203 Instructor Under Training Syllabus

a. Purpose. Enumerate FRS instructor training syllabi.

b. General. All training shall be conducted in accordance with the FRS IUT FSG. The VMAT-203 Commanding Officer must approve any deviations.

c. Ground/Academic Training. Refer to the FRS IUT FSG.

(1) GIUT-559. Monitor the brief/debrief of a SNAV-066 IAW VMAT-203 IUT FSG.

(2) GIUT-570. Monitor the brief/debrief of a late stage familiarization sortie IAW VMAT-203 IUT FSG.

(3) GIUT-592. Monitor as RTO an A/A Radar Intercept sortie from TACTS range.

d. Landing Site Instructor (LSI) Training. LSI 1-3 training shall be accomplished prior to flight with students in the aircraft. The LSI syllabus requirements are detailed in the IUT FSG.

(1) LSI-1

Goal. Observe LSI control of FAM solo flight.

Requirement. IAW VMAT-203 IUT FSG.

(2) LSI-2

Goal. Introduction to LSI control of FAM solo flight.

Requirement. IAW VMAT-203 IUT FSG.

(3) LSI-3

Goal. Review LSI control of FAM solo flights.

Requirement. IAW VMAT-203 IUT FSG.

(4) LSI-4

Goal. Review LSI control introducing night LSI procedures.

Requirement. IAW VMAT-203 IUT FSG.

(5) LSI-5

Goal. Review LSS control and introduce FBO operations from an approved EAF site.

Requirement. IAW VMAT-203 IUT FSG.

(6) LSI-6

Goal. Review LSO control per LSO NATOPS for FCLP operations.

Requirement. IAW VMAT-203 IUT FSG.

e. Basic Instructor Pilot Training. (8 Events/11.0 Hours).

SIUT-550 1.5 E WST/NWST/RNWST S

Goal. Practice normal procedures.

Requirement. IAW VMAT-203 IUT FSG.

SIUT-551 1.5 E WST/NWST/RNWST S

Goal. Review normal and emergency procedures.

Requirement. IAW VMAT-203 IUT FSG.

IUT-552 1.3 E 1 TAV-8B A

Goal. Introduce normal procedures from the rear seat of the TAV-8B.

Requirement. IAW VMAT-203 IUT FSG.

IUT-553 1.3 E 1 TAV-8B A

Goal. Review normal procedures from the rear seat of the TAV-8B.

Requirement. IAW VMAT-203 IUT FSG.

SIUT-554 1.5 E WST/NWST/RNWST S

Goal. Introduce simulator instructional techniques.

Requirement. IAW VMAT-203 IUT FSG.

IUT-555 1.3 E 2 TAV-8B A

Goal. Introduce basic and tactical formation as lead.

Requirement. IAW VMAT-203 IUT FSG.

IUT-556 1.3 E 4 TAV-8B A

Goal. Introduce division formation.

Requirement. IAW VMAT-203 IUT FSG.

IUT-557 1.3 E 4 TAV-8B A

Goal. Review division formation as lead.

Requirement. IAW VMAT-203 IUT FSG.

f. Aerial Refueling Stage Instructor Pilot. (1 Event/1.3 Hours).

| | | | |
|---|---|---|---|
| IUT-558 | 1.3 | E 1 TAV-8B / 1 AV-8B | A |

Goal. Monitor an aerial refueling sortie.

Requirement. IAW VMAT-203 IUT FSG.

g. Threat Counter-Tactics Stage Instructor Pilot. (2 Events/1.6 Hours)

| | | | |
|---|---|---|---|
| SIUT-560 | 1.5 | E NWST/RNWST | S |

Goal. Review threat countertactics.

Requirement. IAW VMAT-203 IUT FSG.

| | | | |
|---|---|---|---|
| IUT-561 | 1.1 | E 1 AV-8B/1 TAV-8B | A |

Goal. Introduce threat countertactics chase.

Requirement. IAW VMAT-203 IUT FSG.

h. Basic Air-to-Surface Stage Instructor Pilot. (3 Events/4.1 Hours)

| | | | |
|---|---|---|---|
| SIUT-562 | 1.5 | E WST/NWST/RNWST | S |

Goal. Review high and low angle dive deliveries.

Requirement. IAW VMAT-203 IUT FSG.

| | | | |
|---|---|---|---|
| SIUT-563 | 1.5 | E WST/NWST/RNWST | S |

Goal. Review transition profiles.

Requirement. IAW VMAT-203 IUT FSG.

| | | | |
|---|---|---|---|
| IUT-564 | 1.1 | E 2 AV-8B | A |

Goal. Review high and low angle dive deliveries.

Requirement. IAW VMAT-203 IUT FSG.

i. Mechanics Stage Instructor Pilot. (2 Events/2.2 Hours).

| | | | |
|---|---|---|---|
| IUT-565 | 1.1 | E 2 AV-8B | A |

Goal. Review target area tactics.

Requirement. IAW VMAT-203 IUT FSG.

| | | | |
|---|---|---|---|
| IUT-566 | 1.1 | E 2 AV-8B | A |

Goal. Review TPOD attacks as lead.

Requirement. IAW VMAT-203 IUT FSG.

j. CAS Stage Instructor Pilot. (3 Events/3.7 Hours).

SIUT-567 1.5 E WST/NWST/RNWST S

Goal. Monitor medium altitude CAS simulator.

Requirement. IAW VMAT-203 IUT FSG.

IUT-568 1.1 E 1 TAV-8B A

Goal. Review CAS as SCAR.

Requirement. IAW VMAT-203 IUT FSG.

IUT-569 1.1 E 1 TAV-8B/1 AV-8B A

Goal. Monitor low altitude CAS sortie from rear seat.

Requirement. IAW VMAT-203 IUT FSG.

k. Familiarization Stage Instructor Pilot. (6 Events/8.4 Hours).

IUT-571 1.3 E 1 TAV-8B A

Goal. Introduce FAM stage maneuvers.

Requirement. IAW VMAT-203 IUT FSG.

IUT-572 1.3 E 1 TAV-8B A

Goal. Practice FAM stage maneuvers.

Requirement. IAW VMAT-203 IUT FSG.

SIUT-573 1.5 E WST/NWST/RNWST S

Goal. Review FAM stage maneuvers and dangerous errors.

Requirement. IAW VMAT-203 IUT FSG.

SIUT-574 1.5 E WST/NWST/RNWST S

Goal. Introduce instrument procedures in the FAM stage.

Requirement. IAW VMAT-203 IUT FSG.

IUT-575 1.3 E 1 TAV-8B A

Goal. Review instrument procedures in the FAM stage.

Requirement. IAW VMAT-203 IUT FSG.

SIUT-576 1.5 E WST/NWST/RNWST S

Goal. Monitor early stage FAM simulator.

Requirement. IAW VMAT-203 IUT FSG.

SIUT-577 1.5 E WST/NWST/RNWST S

Goal. Review FAM stage maneuvers and dangerous errors.

Requirement. IAW VMAT-203 IUT FSG.

1. Night Systems Familiarization Instructor Pilot. (3 Events/3.9 Hours).

IUT-580 1.3 E 1 TAV-8B A NS

Goal. Introduce Night Systems stage maneuvers.

Requirement. IAW VMAT-203 IUT FSG.

IUT-581 1.3 E 2 TAV-8B A NS

Goal. Monitor Night Systems formation maneuvers.

Requirement. IAW VMAT-203 IUT FSG.

IUT-582 1.3 E 2 TAV-8B A NS

Goal. Introduce Night Systems formation maneuvers.

Requirement. IAW VMAT-203 IUT FSG.

m. Advanced Aircraft Handling Instructor Pilot. (3 Events/3.7 Hours).

SIUT-583 1.5 E WST/NWST/RNWST S

Goal. Monitor advanced aircraft handling simulator.

Requirement. IAW VMAT-203 IUT FSG.

IUT-584 1.1 E 1 TAV-8B / 1 AV-8B A

Goal. Introduce advanced aircraft handling chase.

Requirement. IAW VMAT-203 IUT FSG.

IUT-585 1.1 E 1 TAV-8B A

Goal. Review advanced aircraft handling maneuvers.

Requirement. IAW VMAT-203 IUT FSG.

n. Air-to-Air Stage Instructor Pilot. (4 Events/4.8 hours).

SIUT-586 1.5 E WST/NWST/RNWST S

Goal. Monitor TVC simulator.

Requirement. IAW VMAT-203 IUT FSG.

IUT-587 1.1 E 2 AV-8B A

Goal. Review TVC and BFM maneuvers.

Requirement. IAW VMAT-203 IUT FSG.

IUT-588 1.1 E 1 TAV-8B/1 AV-8B A

Goal. Chase TVC maneuvers.

Requirement. IAW VMAT-203 IUT FSG.

IUT-589 1.1 E 2 AV-8B A

Goal. Review 1v1 BFM.

Requirement. IAW VMAT-203 IUT FSG.

o. Intercept Stage Instructor Pilot. (3 Events/4.3 hours).

SIUT-590 1.5 E MTT S

Goal. Monitor A/A Radar Intercept sortie in MTT.

Requirement. IAW VMAT-203 IUT FSG.

SIUT-591 1.5 E RNWST S

Goal. Introduce A/A Radar Intercept sortie.

Requirement. IAW VMAT-203 IUT FSG.

IUT-592 1.3 E 2 AV-8B A

Goal. Monitor as RTO an A/A Radar Intercept sortie from TACTS range.

Requirement. IAW VMAT-203 IUT FSG.

IUT-593 1.3 E 2 AV-8B A

Goal. Review A/A Radar Intercept sortie.

Requirement. IAW VMAT-203 IUT FSG.

p. Forward Based Operations Stage Instructor Pilot. (1 Event/1.5 hours).

SIUT-595 1.5 E WST/NWST/RNWST S

Goal. Monitor FBO simulator.

Requirement. IAW VMAT-203 IUT FSG.

q. NATOPS Check Instructor Pilot. (1 Event/1.5 hours).

SIUT-599 1.5 E WST/NWST/RNWST S

Goal. Fly NATOPS check with Program/Model manager.

Requirement. IAW VMAT-203 IUT FSG.

3. Flight Lead Standardization Evaluator (FLSE)

a. Purpose. To designate FLSEs as capable of evaluating and standardizing all prospective AV-8 flight leaders.

b. General

(1) Prerequisite. Prospective aircrew will, at a minimum, be a designated Mission Commander or WTI nominated by the squadron commanding officer.

(2) Prospective FLSEs shall complete the POI before being designated as a FLSE. At the discretion of the MAG commanding officer, a letter designating the aircrew as a FLSE shall be placed in the NATOPS jacket and APR. All FLSE events will be monitored by the Model Manager or Program Coordinator. Additionally, the FLSE roster must be updated by the Model Manager, through the Program Coordinators.

(3) Re-designation will require successful completion of the FLSE POI for aircrew who require Core Skill Introduction Refresher training. For aircrew who do not require Refresher training, re-designation is at the discretion of the MAG commanding officer.

(4) All FLSEs must complete annual refresher training by attending one Model Manager/Program Coordinator standardization meeting or by attending a standardization meeting with a current FLSE and by completing the academic requirements established below.

| SELF PACED READINGS | DATE COMP | INSTRUCTOR |
|---|---|---|
| AV-8 NATOPS | | |
| AV-8 NAPIP | | |
| AV-8 ANTTP | | |
| AV-8 TACSOP | | |
| Applicable Local SOP Addendums | | |
| NAVMC DIR 3500.99 (AV-8 T&R)<br>OPNAVINST 3710.1T | | |

c. Academic Training. Refer to the academic table above.

d. Requirements

(1) In-brief with the current USMC Model Manager or MAW Program Coordinators.

(2) Complete academic training established above.

(3) If practical, "shadow" a current FLSE during one event to observe established procedures for conducting a FLSE required event.

150. REQUIREMENTS, QUALIFICATIONS, AND DESIGNATIONS TRACKING CODES

1. Requirements

a. Purpose. Track requirements outlined in the AV-8B NATOPS and OPNAVINST 3710.7.

b. General. This section enables squadrons to document and track annual NATOPS, instrument evaluations, and flight leadership currency.

c. Ground/Academic Training. None.

d. Flight and Simulator Event Training. (6 Events, 3.0 Hours).

REQ-600 1.5 E R Tracking S/A (NS)

Goal. Complete annual NATOPS evaluation.

Requirement. Perform annual NATOPS check per AV-8B NATOPS and OPNAVINST 3710.

Performance Standards
Execute all procedures IAW AV-8B NATOPS and OPNAVINST 3710.

REQ-601 1.5 E R Tracking S/A (NS)

Goal. Complete annual instrument evaluation.

Requirement. Perform annual instrument check per OPNAVINST 3710.

Performance Standards
Execute all procedures IAW AV-8B NATOPS and OPNAVINST 3710.

REQ-602 1.5 E R Tracking S/A (NS)

Goal. Complete CRM training.

Requirement. Satisfactory completion of CRM training.

Performance Standards
Per syllabus description.

REQ-603 1.3 R Tracking 2+ AV-8B (NS)

Goal. Sortie flown as section leader.

Requirement. Fly sortie as a section leader.

Performance Standards
Per sortie description.
Prerequisite. Per sortie description.

Ordnance. Per sortie description.

External Syllabus Support. Per sortie description.

REQ-604 1.3 R Tracking 4+ AV-8B (NS)

Goal. Sortie flown as division leader.

Requirement. Fly sortie as a division leader.

Performance Standards
Per sortie description.

Prerequisite. Per sortie description.

Ordnance. Per sortie description.

External Syllabus Support. Per sortie description.

REQ-605 1.3 R Tracking 4+ AV-8B (NS)

Goal. Sortie flown as mission commander.

Requirement. Fly sortie as a mission commander.

Performance Standards
Per sortie description.

Prerequisite. Per sortie description.

Ordnance. Per sortie description.

External Syllabus Support. Per sortie description.

2. Qualifications

a. Purpose. Enable squadrons to document completion of flight qualifications.

b. General. Qualification codes do not constitute flight or simulator events in themselves; rather, they will be logged upon completion of the applicable 200, 300 or 400-level syllabus per the prerequisites listed below. If proficiency is not maintained in at least one of the prerequisite codes, then qualification will have to be regained by flying the appropriate R coded sorties.

c. Ground/Academic Training. Per the applicable syllabus.

d. Flight and Simulator Event Training. (9 Events, 0.0 Hours).

QUAL-610 0.0 Tracking

Goal. Complete AAR qualification.

Requirement. Satisfactory completion of AAR qualification syllabus.

Performance Standards
Per syllabus description.

Prerequisite. AAR-210, AAR-211.

QUAL-611 0.0 Tracking

Goal. Complete day LAT qualification.

Requirement. Satisfactory completion of day LAT qualification syllabus.

Performance Standards
Per syllabus description.

Prerequisite. SLAT-220 thru LAT-223, LAT-430 and LAT-431.

QUAL-612 0.0 Tracking

Goal. Complete NSQ HI qualification.

Requirement. Satisfactory completion of NSQ HI syllabus.

Performance Standards
Per syllabus description.

Prerequisite. SNS-250 thru NS-255.

QUAL-613 0.0 Tracking

Goal. Complete ACM qualification.

Requirement. Satisfactory completion of ACM qualification syllabus.

Performance Standards
Per syllabus description.

Prerequisite. SAA-260 thru AA-274.

QUAL-614 0.0 Tracking

Goal. Complete day CQ qualification.

Requirement. Satisfactory completion of day CQ qualification syllabus.

Performance Standards
Per syllabus description.

Prerequisite. SCQ-410, CQ-411.

QUAL-615 0.0 Tracking

Goal. Complete night CQ qualification.

Requirement. Satisfactory completion of night CQ qualification syllabus.

Performance Standards
Per syllabus description.

Prerequisite. SCQ-412 thru CQ-415.

QUAL-616 0.0 Tracking

Goal. Complete NSQ Low qualification.

Requirement. Satisfactory completion of NSQ Low syllabus.

Performance Standards
Per syllabus description.

Prerequisite. SLAT-432, SLAT-433, LAT-434 thru LAT-437.

QUAL-617 0.0 Tracking

Goal. Complete FAC(A) qualification.

Requirement. SFAC(A)-480 thru FAC(A)-490.

Performance Standards
Per syllabus description.

QUAL-618 0.0 Tracking

Goal. Demo Pilot qualification.

Requirement. Satisfactory completion of Demo Pilot qualification requirements.

Performance Standards
Per syllabus description.

151. SECTION LEADER STANDARDIZATION AND DESIGNATION SORTIES

1. Section Leader

a. Purpose. Prepare and evaluate a prospective flight lead's ability to plan, brief and lead a combat mission as a section lead.

b. General

(1) Section Leaders Under Training (SLUT) shall conduct the following designation syllabus in order to develop flight leadership. Completion of this syllabus meets the requirements to be designated a section leader. At the discretion of the squadron commanding officer, a letter designating the pilot a section leader shall be placed in the NATOPS jacket and APR.

(2) The designation syllabus shall be supervised by a division lead or syllabus specified instructor.

(3) The Refresher POI will be tailored by the commanding officer based on experience level and time out of cockpit. For aircrew that require Core Skill Introduction Refresher training per paragraph 405 of the T&R

Program Manual, the minimum re-designation requirement for flight leader positions is successful completion of the R-coded flight leader POI events. It is assumed the Refresher pilot has the prerequisite academic knowledge base and familiarity with SOPs to conduct the designation syllabus.

(4) The Section Lead proficiency tracking code (RQD-603) shall be logged in conjunction with the appropriate 200-400 level event training code(s) every time a pilot flies an event as a designated section lead.

c. Prerequisites

(1) 200 hours in model, 400 hours total.

(2) 200-level and 300-level complete.

(3) Complete a Section Leader work-up syllabus that, at a minimum, mirrors the designation sorties and requirements.

(4) Receive a passing grade on the MAG standardized SLUT exam that covers 200-300 academics.

d. Requirements

(1) A SLUT shall complete the following items during the course of the Section Leader designation syllabus:

(a) Three events in the syllabus shall be conducted night.

(b) Conduct the following departures:

1. Section stream STO

2. Section CTO

3. Section RADAR trail

4. Section SID.

(c) Conduct the following recoveries:

1. Section VFR overhead.

2. Section VFR straight-in.

3. Section PAR/TACAN to actual or simulated circling minimums. PUI will configure the section for landing with the intent to land both aircraft upon break-out of actual/simulated IMC conditions.

4. Simulated NORDO recovery.

5. Simulated hung ordnance recovery.

(d) Three events shall be flown with the TPOD.

(e) At a minimum, 3 events shall carry ordnance.

(f) One event will be flown in conjunction with RF/IR emitters on a TACTS or EW range.

(2) The following shall be flown with a FLSE external to the squadron:

(a) SSL-621.

(b) One of the following events: SL-622, 623, 624, 625, 626, 627.

(3) The designation syllabus does not have to be flown in order. The last event in the phase will serve as the check flight. The check flight shall be 1 of the following events: SL-624, 625, 626, 627.

e. Ground/Academic Training

(1) Readings

(a) AV-8B NATOPS Manual (A1-AV8BB-NFM-000)

1. Chapter 6, Flight Preparation

2. Chapter 21, Extreme Weather Operation

3. Chapter 31, Aircrew Coordination

(b) Air NTTP 3-22.1-AV8B

1. Chapter 1, Introduction

2. Review Chapter 3, Flight Administrative Procedures

3. Chapter 14, Specialized Air-to-Surface Tasks

4. Chapter 21, Specialized Air-to-Air Missions

(c) AV-8B TACSOP

1. Specialized Air-to-Surface Operations

2. Specialized Air-to-Air Operations

(2) Lectures. Delivered by a WTI.

(a) Flight briefing and debriefing.

(b) AV-8B T+R Manual and Training Management.

(3) Chalk Talks/Practical Application. None.

(4) Exams. Standardized SLUT exam.

f. Tracking. The following matrix will be used to track academic and administrative training.

| SELF PACED READINGS | | DATE COMPLETED |
|---|---|---|
| AV-8B NATOPS Manual (A1-AV8BB-NFM-000) Chapter 6, Flight Preparation | | |
| AV-8B NATOPS Manual (A1-AV8BB-NFM-000) Chapter 21, Extreme Weather Operation | | |
| AV-8B NATOPS Manual (A1-AV8BB-NFM-000) Chapter 31, Aircrew Coordination | | |
| Air NTTP 3-22.1-AV8B Chapter 1, Introduction | | |
| Air NTTP 3-22.1-AV8B Review Chapter 3, Flight Administrative Procedures | | |
| Air NTTP 3-22.1-AV8B Chapter 14, Specialized Air-to-Surface Tasks | | |
| Air NTTP 3-22.1-AV8B Chapter 21, Specialized Air-to-Air Missions | | |
| AV-8B TACSOP Specialized Air-to-Surface Operations | | |
| AV-8B TACSOP Specialized Air-to-Air Operations | | |
| REQUIRED LECTURES RECEIVED | DATE COMP | INSTRUCTOR |
| Flight briefing and debriefing. | | |
| AV-8B T+R Manual and Training Management. | | |
| ADMINISTRATIVE FLIGHT LEADERSHIP REQMTS | DATE COMP | INSTRUCTOR |
| NIGHT EVENT 1 | | |
| NIGHT EVENT 2 | | |
| NIGHT EVENT 3 | | |
| SECTION STREAM STO | | |
| SECTION CTO | | |
| SECTION RADAR TRAIL | | |
| SECTION SID | | |
| SECTION VFR OVERHEAD | | |
| SECTION VFR STRAIGHT-IN | | |
| SECTION PAR/TACAN | | |
| SIMULATED NORDO RECOVERY | | |
| SIMULATED HUNG ORDNANCE RECOVERY | | |
| TPOD EVENT 1 | | |
| TPOD EVENT 2 | | |
| TPOD EVENT 3 | | |
| ORDNANCE EVENT 1 | | |
| ORDNANCE EVENT 2 | | |
| ORDNANCE EVENT 3 | | |
| RF/IR EMITTER ON A TACTS OR EW RANGE | | |
| SSL-621 FLOWN WITH FLSE | | |
| ONE OF SL 622, 623, 624, 625, 626, OR 627 FLOWN WITH FLSE | | |

g. Flight and Simulator Event Training. (8 Events, 9.8 Hours).

SSL-620 1.0 E NWST/RNWST S (NS)

Goal. Demonstrate proficiency instructing a medium altitude threat countertactics simulator. Evaluate basic instruction ability, knowledge of threat systems and threat countertactics.

Requirement. Plan, brief, execute and debrief a medium altitude threat countertactics simulator. Plan and brief shall emphasize weaponeering,

air-to-surface timeline, threat reaction matrix, preemptive and reactive threat countertactics, and standardized communications. Threats shall include a range known SA-6/11, range unknown Roland II and ZSU-23-4. The SLUT shall run the simulator console with the WTI/CO mentoring the event.

Performance Standards. Plan, brief, execute and debrief IAW AV-8B TACSOP and Air NTTP 3-22.1-AV8B.
Correct weaponeering utilizing WARP, current flight clearances, and AV-8B NATIP.
Detailed air-to-surface timeline brief.
Detailed threat countertactics brief.
Constructive inflight instruction.
Accurate sortie reconstruction.
Captures lessons learned.

Prerequisite. See phase description.

Ordnance. TPOD, 2 MK-83 w/DSU-33, 1 CBU-99/100, ALQ-164, SEL-2.

SSL-621 1.0 E NWST/RNWST S (NS)

Goal. Demonstrate proficiency weaponeering PGM, optimizing aircraft sensors and target area tactics execution. Evaluate PGM and applicable employment systems knowledge.

Requirement. Plan, brief, execute and debrief a air-to-surface target area tactics simulator. Execute 2 LGB attack (1 self-lase and 1 buddy lase) and 1 non-preplanned JDAM attack. Threats shall include range unknown SA-8 and 2S6. This event is flown with a MAG designated Standardized Flight Instructor.

Performance Standards
Plan, brief, execute and debrief IAW AV-8B TACSOP and Air NTTP 3-22.1-AV8B.
Correct weaponeering utilizing PMPT, JMPS CUPC, JAWS, WARP, current flight clearances, and AV-8B NATIP publications.
Detailed air-to-surface timeline brief.
Detailed threat countertactics brief.
Proper use of TPOD to designate targets and generate coordinates.
Comply with Tactical Abort Parameters.
Valid weapon release IAW Air NTTP 3-22.1-AV8B with accurate employment validation.
Correct ALSA Communication Brevity.

Prerequisite. SL-620.

Ordnance. TPOD, 2 GBU-12/16, 1 GBU-32/38, SEL-2.

SL-622 1.3 E 2 AV-8B A (NS)

Goal. Demonstrate proficiency weaponeering PGM, optimizing aircraft sensors and leading a target area tactics flight.

Requirement. Plan, brief, execute and debrief an air-to-surface target area tactics flight. Execute 2 actual or simulated LGB attack (1 self-lase and 1 buddy lase) and 1 actual or simulated non-preplanned JDAM attack. Emphasize basic flight leadership, administrative procedures, and tactical administrative procedures. Evaluate PGM and applicable employment systems knowledge.

Performance Standards
Plan, brief, execute and debrief IAW AV-8B TACSOP and Air NTTP 3-22.1-AV8B.
Correct weaponeering utilizing PMPT, JMPS CUPC, JAWS, WARP, current flight clearances, and AV-8B NATIP publications.
Detailed air-to-surface timeline brief.
Detailed threat countertactics brief.
Proper use of TPOD to designate targets and generate coordinates.
Comply with Tactical Abort Parameters.
Valid weapon release IAW Air NTTP 3-22.1-AV8B with accurate employment validation.
Correct ALSA Communication Brevity.

Prerequisite. SL-620.

Ordnance. TPOD, 2 GBU-12/LGTR, 1 GBU-32/38 and expendables.

Range Requirement. RSTD, WISS, HE or INERT, JDAM, LGB, Laser.

SL-623 1.3 E 2 AV-8B A

Goal. Demonstrate proficiency leading a 1 V 1 BFM flight.

Requirement. Plan, brief, lead and debrief a 1 V 1 BFM Flight. Execute 1 heat-to-guns drill, 1 snap-shot drill, 1 3,000-foot offensive perch, 1 6,000-foot defensive perch, and 1 butterfly or abeam neutral engagement. Target wingman is ACM qualified. Emphasize ACM Training Rules application, air-to-air weapon employment, system knowledge, basic flight leadership, administrative procedures, and tactical administrative procedures. This event will be flown with an ACTI.

Performance Standards
Adhere to ACM training rules.
Plan, brief, execute and debrief IAW AV-8B TACSOP and Air NTTP 3-22.1-AV8B.
Assertive flight leadership managing airspace, and engagement set-ups.
Accurate reconstruction and analysis of engagements.
100% valid shots with accurate shot validation.
Correct ALSA Communication Brevity.

Prerequisite. SSL-621.

Ordnance. CATM-9M-8, TACTS, and expendables.

Range Requirement. AA, TACTS, EXP.

SL-624 1.3 E 2 AV-8B A (NS)

Goal. Demonstrate proficiency leading CAS under type 1 terminal attack control.

Requirement. Plan, brief, execute and debrief CAS under type 1 terminal attack control. Execute 2 attacks. Emphasize JPub 3-09.3 procedures, systems management, target area tactics, reactive weaponeering, threat countertactics and standardized communications. Evaluate combat flight leadership and tactical decision-making.

Performance Standards
Execute IAW with JPub 3-09.3.
Plan, brief, execute and debrief IAW Air NTTP 3-22.1-AV8B.
Accurate brief of fire support coordination measures.
Execute briefed air-to-surface timeline.
Execute briefed surface-to-air threat countertactics.
Valid weapon release IAW Air NTTP 3-22.1-AV8B with accurate employment validation.
Comply with Tactical Abort Parameters.
Weapon impacts within CEP.
Correct ALSA Communication Brevity.
TOT +/- 15 seconds.

Prerequisite. SSL-621.

Ordnance. TPOD, PGM or Free fall ordnance and expendables.

Range Requirements. RSTD, JCAS, JDAM, LGB, EXP, Laser.

External Syllabus Support. JTAC.

SL-625 1.3 R E 2 AV-8B A (NS)

Goal. Demonstrate proficiency leading CAS under type 2 and 3 terminal attack control.

Requirement. Plan, brief, execute and debrief CAS under type 2 and 3 terminal attack control employing PGM. Execute 2 attacks. Emphasize JPub 3-09.3 procedures, systems management, PGM employment target area tactics, reactive weaponeering, threat countertactics and standardized communications. Evaluate combat flight leadership and tactical decision-making.

Performance Standards
Execute IAW with JPub 3-09.3.
Plan, brief, execute and debrief IAW Air NTTP 3-22.1-AV8B.
Accurate brief of fire support coordination measures.
Execute briefed air-to-surface timeline.
Execute briefed surface-to-air threat countertactics.
Valid weapon release IAW Air NTTP 3-22.1-AV8B with accurate employment validation.
Comply with Tactical Abort Parameters.

Weapon impacts within CEP.
Correct ALSA Communication Brevity.
TOT +/- 15 seconds.

Prerequisite. SSL-621.

Ordnance. TPOD, PGM and expendables.

Range Requirements. RSTD, JCAS, JDAM, LGB, EXP, Laser.

External Syllabus Support. JTAC.

SL-626 1.3 E 2 AV-8B A (NS)

Goal. Demonstrate proficiency leading SCAR.

Requirement. Plan, brief, execute and debrief SCAR. Coordinate with a minimum of 1 external section to conduct a minimum of 2 target attacks. Provide a MISREP to the MACCS (actual or simulated). Conduct a SCAR-to-SCAR handover (actual or simulated). Emphasize systems management, target PID, airspace deconfliction, MACCS integration, threat countertactics and standardized communications. Evaluate combat flight leadership and tactical decision-making.

Performance Standards
Execute IAW Air NTTP 3-22.1-AV8B.
Brief a RAGM and ROE.
Execute briefed air-to-surface timeline and RAGM.
Execute briefed surface-to-air threat countertactics.
Locate and prioritize target sets IAW briefed commander's guidance.
Accurate target coordinate generation, communication, and marking.
Valid weapon release IAW Air NTTP 3-22.1-AV8B with accurate employment validation.
Comply with Tactical Abort Parameters.
Weapon impacts within CEP.
Correct ALSA Communication Brevity.

Prerequisite. SSL-621.

Ordnance. TPOD, PGM or free fall ordnance and expendables.

Range Requirements. RSTD, COMPLEX, LGB, JDAM, HE or INERT, EXP, Laser.

External Syllabus Support. Minimum 1 section of AR assets.

SL-627 1.3 E 2 AV-8B A

Goal. Demonstrate proficiency leading DCA point defense. This event will be flown with an ACTI.

Requirement. Plan, brief, execute and debrief 2 V X DCA. The scenario shall include an unknown number of Level 3, Category

2 adversaries with PHID required, fighter weapons control status is tight with PHID criteria set by prospective flight lead according to the theater of operation. Emphasize ACM training rule adherence, air-to-air timeline construction and execution, and standardized communications. Target wingman is ACM qualified. Evaluate combat flight leadership and tactical decision-making.

Performance Standards
Adhere to ACM training rules.
Plan, brief, execute and debrief IAW Air NTTP 3-22.1-AV8B.
Adhere to air-to-air timeline, contracts, and criteria.
Execute briefed air-to-air threat countertactics gameplan.
Adhere to briefed air-air mission timeline.
Accurate reconstruction and analysis of engagements.
100% valid shots with accurate shot validation.
Correct ALSA communication brevity.

Prerequisite. SSL-621.

Ordnance. CATM-9M-8, TACTS and expendables.

Range Requirements. TACTS, AA, EXP.

External Support. RADAR adversaries, AIC, TACTS range.

152. DIVISION LEADER STANDARDIZATION AND DESIGNATION SORTIES

1. Division Leader

a. Purpose. Prepare and evaluate a prospective flight lead's ability to plan, brief and lead an combat mission as a division lead.

b. General

(1) Division Leaders Under Training (DLUT) shall conduct the following designation syllabus in order to develop flight leadership. Completion of the DL syllabus meets the requirements to be designated a division leader. At the discretion of the squadron commanding officer, a letter designating the pilot a division leader shall be placed in the NATOPS jacket and APR.

(2) The Refresher POI will be tailored by the Commanding Officer based on experience level and time out of cockpit. It is assumed the Refresher pilot has the prerequisite academic knowledge base and familiarity with SOPs to conduct the designation syllabus.

(3) A Mission Commander, WTI, or specified instructor shall instruct all events.

(4) The Division Lead proficiency tracking code (RQD-604) shall be logged in conjunction with the appropriate 200-400 level event training code(s) every time a pilot flies an event as a designated division lead.

c. Prerequisites

(1) 400 hours in model, 600 hours total.

(2) Have flown a minimum of three flights as a designated Section Leader.

(3) Complete a Division Leader work-up syllabus that, at a minimum, mirrors the designation sorties and requirements.

(4) Receive a passing grade on the MAG standardized DLUT exam that covers division administration and tactical employment.

d. Requirements

(1) DLUT shall complete the following items during the course of the Division Lead designation syllabus:

(a) One event in syllabus shall be conducted night.

(b) Conduct the following departures:

1. Division stream STO.

2. Division RADAR trail.

(c) Conduct the following recoveries:

1. Division overhead.

2. Division straight-in.

(d) At a minimum, 1 event shall carry ordnance.

(e) One event will be flown in conjunction with RF/IR emitters on a TACTS or EW range.

(f) One event shall include AAR.

(2) One event shall be flown with a FLSE external from the squadron.

(3) The designation syllabus does not have to be flown in order. The last sortie shall constitute the check ride. It shall be either DESG-632 or DESG-633.

e. Ground/Academic Training

(1) Readings. Air NTTP 3-22.1-AV8B. Chapter 23, Mission Contingency Planning

(2) Lectures. None.

(3) Chalk Talk/Practical Application. None.

(4) Exams. Standardized DL exam.

f. Tracking. The following matrix will be used to track academic and administrative training.

| SELF PACED READINGS | | DATE COMPLETED |
|---|---|---|
| Air NTTP 3-22.1-AV8B. Chapter 23, Mission Contingency Planning | | |
| ADMINISTRATIVE FLIGHT LEADERSHIP REQMTS | DATE COMP | INSTRUCTOR |
| NIGHT EVENT | | |
| DIVISION STREAM STO | | |
| DIVISION RADAR TRAIL | | |
| DIVISION OVERHEAD | | |
| DIVISION STRAIGHT-IN | | |
| ORDNANCE EVENT | | |
| ONE EVENT WITH RF/IR EMITTERS ON A TACTS OR EW RANGE | | |
| AAR EVENT | | |
| ONE EVENT FLOWN WITH A FLSE EXTERNAL TO SQUADRON | | |

g. Flight and Simulator Event Training. (4 Events, 5.2 Hours).

DL-630 1.3 E 3+ AV-8B A (NS)

Goal. Demonstrate proficiency executing division target area tactics.

Requirement. Plan, brief, execute and debrief a division target area tactics flight. Execute 2 division attacks (1 visual attack and 1 standoff attack). Emphasize basic flight leadership, division flight administration, tactical administration, mutual support, and deconfliction. Evaluate division air-to-surface fundamentals.

Performance Standards
Plan, brief, execute and debrief IAW AV-8B TACSOP and Air NTTP 3-22.1-AV8B.
Correct weaponeering utilizing PMPT, JMPS CUPC, JAWS, WARP, current flight clearances, and AV-8B NATIP publications.
Detailed air-to-surface timeline brief.
Detailed threat countertactics brief.
Comply with Tactical Abort Parameters.
Valid weapon release IAW Air NTTP 3-22.1-AV8B with accurate employment validation.
Correct ALSA Communication Brevity.

Ordnance. TPOD, PGM or free fall ordnance and expendables.

Range Requirements. RSTD, Target, LSR, INERT, HE, LGB, JDAM, Laser.

DL-631 1.3 E 3+ AV-8B A (NS)

Goal. Demonstrate proficiency executing division AR.

Requirement. Plan, brief, execute and debrief division AR. Locate and PID targets. Execute 2 division attacks (1 visual attack and 1 standoff attack). Provide a MISREP to the MACCS (actual or simulated). Emphasize target PID, airspace deconfliction, MACCS integration, threat countertactics and

standardized communications. Evaluate combat flight leadership and tactical decision making.

Performance Standards
Plan, brief, execute and debrief IAW AV-8B TACSOP and Air NTTP 3-22.1-AV8B.
Correct weaponeering utilizing PMPT, JMPS CUPC, JAWS, WARP, current flight clearances, and AV-8B NATIP publications.
Detailed air-to-surface timeline brief.
Detailed threat countertactics brief.
Comply with Tactical Abort Parameters.
Valid weapon release IAW Air NTTP 3-22.1-AV8B with accurate employment validation.
Correct ALSA Communication Brevity.

Ordnance. TPOD, PGM or Free fall ordnance and expendables.

Range Requirements. RSTD, TGT, WISS, LGB, JDAM, HE or INERT, Laser.

DL-632 1.3 R E 3+ AV-8B A

Goal. Demonstrate proficiency executing division day AI.

Requirement. Plan, brief, execute and debrief a division AI during the day at medium altitude. Scenario shall include a surface-to-air and air-to-air threat. Evaluate combat flight leadership and tactical decision making. Emphasize target area tactics, threat countertactics and standardized communications.

Performance Standards
Plan, brief, execute and debrief IAW AV-8B TACSOP and Air NTTP 3-22.1-AV8B.
Correct weaponeering utilizing PMPT, JMPS CUPC, JAWS, WARP, current flight clearances, and AV-8B NATIP publications.
Detailed air-to-surface timeline brief.
Detailed threat countertactics brief.
Comply with Tactical Abort Parameters.
Valid weapon release IAW Air NTTP 3-22.1-AV8B with accurate employment validation.
Correct ALSA Communication Brevity.

Ordnance. TPOD, TACTS, PGM or free fall ordnance and expendables.

Range Requirements. RSTD, TACTS, EW, TGT, LGB, JDAM, EXP, Laser.

DL-633 1.3 E 3+ AV-8B A NS

Goal. Demonstrate proficiency executing division AI at night.

Requirement. Plan, brief, execute and debrief a division AI during the day at medium altitude. Scenario shall include a surface-to-air and air-to-air threat. Evaluate combat flight leadership and tactical decision making. Emphasize target area tactics, threat countertactics and standardized communications.

Performance Standards
Plan, brief, execute and debrief IAW AV-8B TACSOP and Air NTTP 3-22.1-AV8B.
Correct weaponeering utilizing PMPT, JMPS CUPC, JAWS, WARP, current flight clearances, and AV-8B NATIP publications.
Detailed air-to-surface timeline brief.
Detailed threat countertactics brief.
Comply with Tactical Abort Parameters.
Valid weapon release IAW Air NTTP 3-22.1-AV8B with accurate employment validation.
Correct ALSA Communication Brevity.

Ordnance. TPOD, PGM or Free fall ordnance and expendables.

Range Requirements. RSTD, Target, LSR, inert, HE or JDAM Range, Laser.

153. MISSION COMMANDER STANDARDIZATION AND DESIGNATION SORTIES

1. Mission Commander

a. Purpose. Evaluate a prospective mission commander's ability to plan, brief and lead a combat mission as the mission commander.

b. General

(1) Completion of the syllabus meets the requirements to be designated as mission commander. At the discretion of the squadron commanding officer, a letter designating the pilot as mission commander shall be placed in the NATOPS jacket and APR.

(2) The Refresher POI will be tailored by the commanding officer based on experience level and time out of cockpit. It is assumed the Refresher pilot has the prerequisite academic knowledge base and familiarity with SOPs to conduct the designation syllabus.

(3) A Mission Commander shall instruct all events.

(4) The Mission Commander proficiency tracking code (RQD-605) shall be logged in conjunction with the appropriate 200-400 level event training code(s) every time a pilot flies an event as a designated Mission Commander.

c. Prerequisites

(1) 500 hours in model.

(2) Have flown a minimum of three flights as a designated Division Lead.

(3) Mission Commanders Under Training (MCUT) shall complete either LFE-470 or LFE-471 as the strike element lead.

d. Ground/Academic Training

(1) Readings. None.

(2) One event shall be flown with an FLSE external to the squadron.

(3) Lectures. Review the following AV-8B Courseware lectures:

(a) Strike Mission Commander, Part 1

(b) Strike Mission Commander, Part 2

(4) Chalk Talk/Practical Application. None.

(5) Exams. None.

e. Tracking. The following matrix will be used to track academic and administrative training.

| REQUIRED LECTURES | DATE COMP | INSTRUCTOR |
|---|---|---|
| Strike Mission Commander, Part 1 | | |
| Strike Mission Commander, Part 2 | | |

f. Flight and Simulator Event Training. (2 Events, 2.6 Hours).

MC-636 2.0 R 4+ AV-8B A (NS)

Goal. Lead a day or night AI LFE as the mission commander.

Requirement. As part of a division, lead an AI LFE. The mission shall be supported with command and control assets, SEAD, EA, ES, AAR, and OCA assets. Scenario per WTI guidance. Emphasize flight leadership and tactical decision making.

Performance Standards
Planning, briefing, execution, and debrief IAW the MAWTS-1 Strike Planning Guide.
Develop a sound tactical game plan based on the scenario.
Coordinate and deconflict multiple elements.
Adhere to all applicable Rules of Conduct and Training Rules.
Adhere to air-to-surface and/or air-to-air timelines.
Adhere to surface-to-air and/or air-to-air threat countertactics gameplans.
100% valid air-to-surface and/or air-to-air weapon releases.
Correct ALSA Communication Brevity.

Ordnance. Per scenario.

Range Requirements. TACTS, WISS, JDAM or LGB, EXP, COMPLEX.

External Syllabus Support. Adversaries, Tanker, Blue air, GCI/AIC.

MC-637 2.0 E 4 AV-8B A (NS)

Goal. Lead a day or night large force SCAR package as the mission commander.

Requirement. SCAR mission commander evaluation requires the MCUT to act as the SCAR for a minimum of 2 dissimilar AR elements in a confined airspace in a medium threat scenario with active RF SAM emitters. Scenario per WTI guidance. Emphasize flight leadership and tactical decision making.

Performance Standards
Planning, briefing, execution, and debrief IAW the MAWTS-1 Strike Planning Guide.
Develop a sound tactical game plan based on the scenario.
Coordinate and deconflict multiple elements.
Adhere to all applicable Rules of Conduct and Training Rules.
Adhere to air-to-surface and/or air-to-air timelines.
Adhere to surface-to-air and/or air-to-air threat countertactics gameplans.
100% valid air-to-surface and/or air-to-air weapon releases.
Correct ALSA Communication Brevity.

Ordnance. Per scenario.

Range Requirements. TACTS, WISS, JDAM or LGB, EXP, COMPLEX.

External Syllabus Support. Per scenario.

154. POST MAINTENANCE CHECK FLIGHT (PMCF) PILOT

1. PMCF Pilot

a. Purpose. Evaluate a pilot's ability to execute a PMCF.

b. General. Completion of the syllabus meets the requirements to be designated a functional check pilot. At the discretion of the squadron commanding officer, a letter designating the pilot as a functional check pilot shall be placed in the NATOPS jacket and APR.

c. Ground/Academic Training. Per MAG order.

d. Flight and Simulator Event Training. (2 Events, 3.0 Hours).

DESIG-640 1.5 E WST/NWST/RNWST S

Goal. Functional Check Flight (FCF) workup sortie.

Requirement. Complete an FCF profile in the simulator.

Performance Standards
Profile completion per appropriate card.

Prerequisite. Per MAG order.

DESIG-641 1.5 1 AV-8B A

Goal. Conduct a FCF.

Requirement. Complete an FCF profile. Initial event shall be in a FMC AV-8B.

Performance Standards
Profile completion per appropriate card.

Prerequisite. Per MAG order, FAM-202.

155. AV-8B AIRSHOW DEMONSTRATION PILOT (Demo Pilot)

1. Demo Pilot

a. Purpose. To evaluate a prospective demonstration pilot's ability to conduct air show demonstration.

b. General. Completion of the syllabus meets the requirements to be designated an AV-8B Demo Pilot. At the discretion of the squadron commanding officer, a letter designating the pilot an AV-8B Demo Pilot shall be placed in the NATOPS jacket and APR.

c. Prerequisites. Per MC and MAG order. Successful completion of stage constitutes LAT qualification, which shall be recorded as QUAL-618.

d. Academic Training. Per MC and MAG order.

e. Flight and Simulator Event Training. (2 Events, 3.0 Hours).

DESIG-642 1.5 E WST/NWST/RNWST S

Goal. Demo Pilot workup sortie.

Requirement. Complete a Level III air show demonstration profile.

Performance Standards
Conducts all maneuvers correctly.

Prerequisite. Per MC and MAG order.

DESIG-643 .8 1 AV-8B A

Goal. Demonstration flight. Initial event shall be monitored by MAG Commanding Officer or his designated representative.

Requirement. Complete a Level III air show demonstration profile.

Performance Standards
Conducts all maneuvers correctly.
Prerequisite. Per MC and MAG order, FAM-202.

156. TRACKING CODES

a. Purpose. Track currency in various evolutions via SARA.

b. General. Tracking codes do not constitute flight or simulator. They are logged concurrent with another code to delineate position in the flight, ordnance expended, or specifics of an event completed (i.e. FBO cal site operations).

c. Ground/Academic Training. NA.

d. Flight and Simulator Event Training. (48 Events, 0.0 Hours).

TRK-650 0.0 Tracking 1+ AV-8B (NS)

Goal. Conduct strategic tanking.

Requirement. Conduct aerial refueling from a strategic tanking platform.

Performance Standards
As outlined in the Air Refueling NATOPS.

Prerequisite. AAR-210 (AAR-211 if at night).

External Syllabus Support. Strategic tanker.

TRK-651 0.0 Tracking 1+ AV-8B (NS)

Goal. Employ TPOD.

Requirement. Tactically employ the TPOD.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. TPOD.

TRK-652 0.0 Tracking 1+ AV-8B (NS)

Goal. Employ ALQ-164.

Requirement. Tactically employ the ALQ-164.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. ALQ-164.

TRK-653 0.0 Tracking 1+ AV-8B (NS)

Goal. Employ ALE-39.

Requirement. Tactically employ the ALE-39 with expendables.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. 180 expendables.

TRK-654 0.0 Tracking 1+ AV-8B (NS)

Goal. Fire GAU-12.

Requirement. Tactically employ GAU-12.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. 300 Rnds HE or TP.

TRK-655 0.0 Tracking 1+ AV-8B (NS)

Goal. Expend Mk-76, BDU-48, BDU-45 or Mk-83I ordnance.

Requirement. Tactically employ Mk-76, BDU-48, BDU-45 or Mk-83I ordnance.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. Mk-76, BDU-48, BDU-45 or Mk-83I ordnance.

TRK-656 0.0 Tracking 1+ AV-8B (NS)

Goal. Expend Mk-80 series HE ordnance.

Requirement. Tactically employ Mk-80 series HE ordnance.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. Mk-80 series HE ordnance.

TRK-657 0.0 Tracking 1+ AV-8B (NS)

Goal. Expend CBU-99/100 or Mk-20 ordnance.

Requirement. Tactically employ cluster munitions.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. CBU-99/100 or Mk-20.

TRK-658 0.0 Tracking 1+ AV-8B (NS)

Goal. Expend Mk-77 fire bomb.

Requirement. Tactically employ Mk-77 fire bomb.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. Mk-77.

TRK-659 0.0 Tracking 1+ AV-8B (NS)

Goal. Fire rockets (2.75" or 5").

Requirement. Tactically employ rockets.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. 2.75" or 5" Rockets.

TRK-660 0.0 Tracking 1+ AV-8B (NS)

Goal. Expend LUU-2/LUU-19 parachute flares.

Requirement. Tactically employ LUU-2/19 parachute flares.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. LUU-2 or LUU-19.

TRK-661 0.0 Tracking 1+ AV-8B (NS)

Goal. Employ CAGM-65E LASER Maverick.

Requirement. Tactically employ CAGM-65E.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. CAGM-653.

TRK-662 0.0 Tracking 1+ AV-8B (NS)

Goal. Fire AGM-65E LASER Maverick.

Requirement. Tactically employ LMAV.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.
Ordnance. AGM-65E.

TRK-663 0.0 Tracking 1+ AV-8B (NS)

Goal. Employ the LGTR.

Requirement. Tactically employ LGTR.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. LGTR.

TRK-664 0.0 Tracking 1+ AV-8B (NS)

Goal. Expend GBU-12/16 LASER guided munitions.

Requirement. Tactically employ GBU 12/16 LASER guided bomb.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. GBU-12 or GBU-16.

TRK-665 0.0 Tracking 1+ AV-8B (NS)

Goal. Expend GBU-32/38.

Requirement. Tactically employ GBU-32/38.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. GBU-32/38.

TRK-666 0.0 Tracking 1+ AV-8B (NS)

Goal. Air-to-air gunnery.

Requirement. Fire the GAU-12 using the circular dart or banner pattern. VTR debrief required.

Performance Standards
A minimum of 4 passes on the respective target.

Prerequisite. IAW tactical sortie of execution.

Ordnance. 300 Rnds.

External Syllabus Support. Tow aircraft.

TRK-667 0.0 Tracking 1+ AV-8B (NS)

Goal. Fire AIM-9.
Requirement. Tactically employ AIM-9.

Performance Standards. IAW the sortie performance standards.

Prerequisite. IAW tactical sortie of execution.

Ordnance. AIM-9.

External Syllabus Support. Drone or flare aircraft.

TRK-668 0.0 Tracking

Requirement. Range requirement unavailable.

| | | |
|---|---|---|
| TRK-669 | 0.0 | Tracking |
| | Requirement. | Ordnance requirement unavailable. |
| TRK-670 | 0.0 | Tracking |
| | Requirement. | Syllabus support unavailable. |
| TRK-671 | 0.0 | Tracking |
| | Requirement. | Incomplete FAM event. |
| TRK-672 | 0.0 | Tracking |
| | Requirement. | Incomplete AAR event. |
| TRK-673 | 0.0 | Tracking |
| | Requirement. | Incomplete LAT event. |
| TRK-674 | 0.0 | Tracking |
| | Requirement. | Incomplete AS event. |
| TRK-675 | 0.0 | Tracking |
| | Requirement. | Incomplete NS event. |
| TRK-676 | 0.0 | Tracking |
| | Requirement. | Incomplete AA event. |
| TRK-677 | 0.0 | Tracking |
| | Requirement. | Incomplete CAS event. |
| TRK-678 | 0.0 | Tracking |
| | Requirement. | Incomplete AR event. |
| TRK-679 | 0.0 | Tracking |
| | Requirement. | Incomplete SCAR event. |
| TRK-680 | 0.0 | Tracking |
| | Requirement. | Incomplete AAW event. |
| TRK-681 | 0.0 | Tracking |
| | Requirement. | Incomplete AI event. |
| TRK-682 | 0.0 | Tracking |
| | Requirement. | Incomplete FCLP event. |

| | | |
|---|---|---|
| TRK-683 | 0.0 | Tracking |
| | Requirement. | Incomplete CQ event. |
| TRK-684 | 0.0 | Tracking |
| | Requirement. | Incomplete FBO event. |
| TRK-685 | 0.0 | Tracking |
| | Requirement. | Incomplete LAT(NS) event. |
| TRK-686 | 0.0 | Tracking |
| | Requirement. | Incomplete ASE event. |
| TRK-687 | 0.0 | Tracking |
| | Requirement. | Incomplete GCE event. |
| TRK-688 | 0.0 | Tracking |
| | Requirement. | Incomplete OAS event. |
| TRK-689 | 0.0 | Tracking |
| | Requirement. | Incomplete NTISR event. |
| TRK-690 | 0.0 | Tracking |
| | Requirement. | Incomplete LFE event. |
| TRK-691 | 0.0 | Tracking |
| | Requirement. | Incomplete FAC(A) event. |
| TRK-692 | 0.0 | Tracking |
| | Requirement. | Incomplete ESC event. |
| TRK-693 | 1.0 | Tracking 1 AV-8B |

Goal. Day CAL site operations.

Requirement. Practice precision V/STOL at a CAL site. Perform multiple precision VLs and VTOs under LSS control. Proficiency must be demonstrated prior to conducting other missions from a CAL site.

Performance Standards
A minimum of 4 takeoffs and landings are required.

Prerequisite. FAM-202.

External Syllabus Support. Approved CAL site.

TRK-694 1.0 Tracking 1 AV-8B NS

Goal. Night CAL site operations.

Requirement. Repeat TRK-693 at night.

Performance Standards
A minimum of 4 takeoffs and landings are required.

Prerequisite. TRK-693.

External Syllabus Support. Approved CAL site.

TRK-695 1.0 Tracking 1 AV-8B

Goal. Road operations.

Requirement. Practice precision V/STOL at a road. Perform multiple precision RVLs and maximum performance STOs under LSS control.

Performance Standards
A minimum of 4 takeoffs and landings are required.

Prerequisite. FBO-412.

External Syllabus Support. Approved road.

TRK-696 1.0 Tracking 1 AV-8B NS

Goal. Night road operations.

Requirement. Practice precision V/STOL at a road. Perform multiple precision RVLs and maximum performance STOs under LSS control.

Performance Standards
A minimum of 4 takeoffs and landings are required.

Prerequisite. TRK-695, FBO-413.

External Syllabus Support. Approved road.

TRK-697 1.0 Tracking 1 AV-8B

Goal. Grass operations.
Requirement. Practice precision V/STOL at a grass strip. Perform multiple precision RVLs and maximum performance STOs under LSS control.

Performance Standards
A minimum of 4 takeoffs and landings are required.

Prerequisite. FBO-412.

External Syllabus Support. Approved grass strip.

6. Landing Signal Officers (LSO), Landing Site Instructors (LSI) and Landing Sight Supervisors (LSS) Designation and Tracking

a. Purpose. To track the designation and currency of LSOs, LSIs, and LSSs.

b. General. This section enables squadrons to document and track via SARA the designation of pilots as LSOs, LSIs, LSSs and currency intervals between "waiving" periods. The following additional guidance applies:

(1) A pilot must complete the 200 level-Syllabus prior to beginning any workup for LSO or LSS designation.

(2) This Manual, the T&R Program Manual, LSO NATOPS Manual and MAG LSI/LSS Orders define the prerequisites to start LSO/LSS/LSI Under Training syllabus and designation requirements. A pilot should be a designated section lead but this may be waived by the commanding officer.

(3) Currency will be retained for 12 months following the last day of a LSO/LSI/LSS control for each specific designation. If currency is lost, the LSO/LSI/LSS shall attend academic ground school and regain currency as outlined in the above documents. No minimum number of controls is required as long as proficiency is exhibited to the Training LSO/LSS.

(4) Successful completion of all appropriate workup events and designation by the squadron commander are required prior to exercising any designation.

c. Ground/Academic Training. Per LSO NATOPS or MAG LSI/LSS Order.

d. Flight and Simulator Event Training. (14 Events, 0.0 Hours).

DESIG-700 0.0 E Designation

Goal. Day Basic Field LSO.

Requirement. Per LSO NATOPS.

Performance Standards
Per LSO NATOPS.

Prerequisite. Per LSO NATOPS.

External Syllabus Support. FCLP facility.

DESIG-701 0.0 E Designation

Goal. Night Basic Field LSO.

Requirement. Per LSO NATOPS.

Performance Standards
Per LSO NATOPS.

Prerequisite. Per LSO NATOPS.

External Syllabus Support. FCLP facility.

DESIG-702 0.0 E Designation

Goal. Day Basic Ship.

Requirement. Per LSO NATOPS.

Performance Standards
Per LSO NATOPS.

Prerequisite. Per LSO NATOPS.

External Syllabus Support. L-class ship.

DESIG-703 0.0 E Designation

Goal. Night Basic Ship.

Requirement. Per LSO NATOPS.

Performance Standards
Per LSO NATOPS.

Prerequisite. Per LSO NATOPS.

External Syllabus Support. L-class ship.

DESIG-704 0.0 E Designation

Goal. Advanced Day LSO.

Requirement. Per LSO NATOPS.

Performance Standards
Per LSO NATOPS.

Prerequisite. Per LSO NATOPS.

External Syllabus Support. FCLP facility and L-class ship.

DESIG-705 0.0 E Designation

Goal. Advanced Night LSO.

Requirement. Per LSO NATOPS.
Performance Standards
Per LSO NATOPS.

Prerequisite. Per LSO NATOPS.

External Syllabus Support. FCLP facility and L-class ship.

DESIG-706 0.0 E Designation

Goal. Training Day LSO.

Requirement. Per LSO NATOPS.

Performance Standards
Per LSO NATOPS.

Prerequisite. Per LSO NATOPS.

External Syllabus Support. FCLP facility and L-class ship.

DESIG-707 0.0 E Designation

Goal. Training Night LSO.

Requirement. Per LSO NATOPS.

Performance Standards
Per LSO NATOPS.

Prerequisite. Per LSO NATOPS.

External Syllabus Support. FCLP facility and L-class ship.

DESIG-710 0.0 E Designation

Goal. Day Facility LSI.

Requirement. As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Performance Standards
As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Prerequisite. As outlined in Paragraph 151.6(b) and MAGLSI/LSS Order.

External Syllabus Support. Main facility.

DESIG-711 0.0 E Designation

Goal. Night Facility LSI.

Requirement. As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Performance Standards
As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.
Prerequisite. As outlined in Paragraph 151.6(b) and MAGLSI/LSS Order.

External Syllabus Support. Main facility.

DESIG-712 0.0 E Designation

Goal. Day Road LSS.

Requirement. As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Performance Standards
As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Prerequisite. As outlined in Paragraph 151.6(b) and MAGLSI/LSS Order.

External Syllabus Support. Road training facility or road base.

DESIG-713 0.0 E Designation

Goal. Night Road LSS.

Requirement. As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Performance Standards
As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Prerequisite. As outlined in Paragraph 151.6(b) and MAGLSI/LSS Order.

External Syllabus Support. Road training facility or road base.

DESIG-714 0.0 E Designation

Goal. Day CAL Site LSS.

Requirement. As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Performance Standards
As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Prerequisite. As outlined in Paragraph 151.6(b) and MAGLSI/LSS Order.

External Syllabus Support. CAL site.

DESIG-715 0.0 E Designation

Goal. Night CAL Site LSS.

Requirement. As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Performance Standards
As outlined in Paragraph 151.6(b) and MAG LSI/LSS Order.

Prerequisite. As outlined in Paragraph 151.6(b) and MAGLSI/LSS Order.

External Syllabus Support. CAL site.

7. LSO, LSI and LSS Tracking

a. Purpose. To enable squadrons to track LSO, LSI and LSS currency in various evolutions via SARA.

b. Ground/Academic Training. NA.

c. Flight and Simulator Event Training. (14 Events, 0.0 Hours).

TRK-720 0.0 Tracking

Goal. Control Day FCLP LSO.

Prerequisite. CQ-411.

External Syllabus Support. FCLP facility.

TRK-721 0.0 Tracking

Goal. Control Night FCLP LSO.

Prerequisite. TRK-720, CQ-413.

External Syllabus Support. FCLP facility.

TRK-722 0.0 Tracking

Goal. Control Aided Night FCLP LSO.

Prerequisite. TRK-721, CQ-397.

External Syllabus Support. FCLP facility.

TRK-723 0.0 Tracking

Goal. Control Day Ship LSO.

Prerequisite. TRK-720.

External Syllabus Support. L-class ship.

TRK-724 0.0 Tracking

Goal. Control Night Ship LSO.

Prerequisite. TRK-723, TRK-721.
External Syllabus Support. L-class ship.

TRK-725 0.0 Tracking

Goal. Control Night Aided Ship LSO.

Prerequisite. TRK-724.

External Syllabus Support. L-class ship.

TRK-726 0.0 Tracking

Goal. Control Day Training LSO.

External Syllabus Support. FCLP facility or L-class ship.

TRK-727 0.0 Tracking

Goal. Control Night Training LSO.

External Syllabus Support. FCLP facility or L-class ship.

TRK-730 0.0 Tracking

Goal. Control Day LSI Facility.

Prerequisite. FBO-412.

External Syllabus Support. Main operating facility.

TRK-731 0.0 Tracking

Goal. Control Night LSI Facility.

Prerequisite. TRK-730, FBO-413.

External Syllabus Support. Main operating facility.

TRK-732 0.0 Tracking

Goal. Control Day LSS Road.

Prerequisite. TRK-730, FBO-412.

External Syllabus Support. Road training site or road site.

TRK-733 0.0 Tracking

Goal. Control Night LSS Road.

Prerequisite. TRK-731, TRK-732, FBO-413.

External Syllabus Support. Road training site or road site.

TRK-734 0.0 Tracking

Goal. Control Day LSS CAL Site.
Prerequisite. TRK-732.

External Syllabus Support. CAL site.

TRK-735 0.0 Tracking

Goal. Control Night LSS CAL Site.

Prerequisite. TRK-734.

External Syllabus Support. CAL site.

160. ORDNANCE REQUIREMENTS. Annual ordnance requirements are developed on a "per crew" basis per OPNAVNOTE 8010. However, the following paragraphs also delineate the minimum level of ordnance support necessary to ensure that a notional squadron can attain and maintain the required level of core skill proficiency for its pilots.

1. Fleet Replacement Squadron (47 RAC basis)

| ORDNANCE | RAC | SPT | IUT | Sqdn Total |
|---|---|---|---|---|
| 25 mm | 300 | 0 | 0 | 14100 |
| Mk-76 | 180 | 30 | 36 | 11562 |
| Mk-82 | 4 | 0 | 0 | 188 |
| BDU-45 | 8 | 0 | 0 | 376 |
| Mk-83 | 0 | 0 | 0 | 0 |
| Mk-83(I) | 0 | 0 | 0 | 0 |
| Mk-20/CBU-99/100 | 0 | 0 | 0 | 0 |
| Mk-77 | 0 | 0 | 0 | 0 |
| LUU-2 | 0 | 4 | 0 | 188 |
| 2.75" Rkt | 0 | 0 | 0 | 0 |
| 5.0" Rkt | 0 | 0 | 0 | 0 |
| AGM-65E | 0 | 0 | 0 | 0 |
| LGTR | 2 | 0 | 0 | 94 |
| GBU-12/16 | 0 | 0 | 0 | 0 |
| JDAM | 0 | 0 | 0 | 0 |
| AIM-9 | 0 | 0 | 0 | 0 |
| Self Protect Chaff | 40 | 0 | 0 | 1880 |
| Self Protect Flare | 720 | 100 | 0 | 38540 |

Note: FRS ordnance requirements are based upon predicted steady-state throughput requirements and standard support/overhead factors per RAC equivalent.

2. Marine Attack Squadron

| ORDNANCE | B/T | R | Sqdn Total |
|---|---|---|---|
| 25 mm | 1200 | 300 | 12000 |
| Mk-76 | 96 | 36 | 1220 |
| Mk-82 | 36 | 18 | 460 |
| BDU-45 | 36 | 6 | 460 |
| Mk-83 | 6 | 4 | 80 |
| Mk-83(I) | 6 | 24 | 80 |
| Mk-20/CBU-99/100 | 4 | 4 | 50 |
| Mk-77 | 4 | 4 | 50 |
| LUU-2 | 16 | 0 | 80 |
| 2.75" Rkt | 20 | 16 | 420 |
| 5.0" Rkt | 20 | 16 | 420 |
| AGM-65E | .33 | .33 | 8 |
| LGTR | 12 | 6 | 180 |
| GBU-12/16 | .33 | .33 | 8 |
| JDAM | .33 | .33 | 8 |
| AIM-9 | .33 | .33 | 8 |
| Self Protect Chaff | 540 | 220 | 7260 |
| Self Protect Flare | 1260 | 540 | 16940 |

Note: VMA ordnance requirements are based upon predicted input rates for both basic and refresher pilots, plus core skill sustainment for remaining second-tour pilots. Squadron Totals reflected in this chart are computed from methodologies contained in spread sheets maintained by the MAWTS-1 and are not listed here.

170. RANGE REQUIREMENTS

1. General. The range requirements in these tables are based on event requirements listed in the individual event descriptions. Units should make every effort to adhere to the requirements listed in the event descriptions, but commanding officers may waive requirements based on existing range capabilities and limitations.

| Category | Abbreviation | Name | Description | Notes |
|---|---|---|---|---|
| CAT I | MOA | Special Use Airspace or MOA | Per Flight Information Publications | |
| CAT I | RSTD | Restricted / Warning Area | Per Flight Information Publications | |
| CAT I | MTR | Military Training Route | Per Flight Information Publications | |
| CAT I | LAT | LAT Course | Approved LAT course. Normally preferred over an MTR for dedicated LAT sorties. | |
| CAT I | AA | Air-to-Air Range | Any airspace that can support BFM or ACM. May include Restricted Airspace, MOAs or Warning Areas for example | For Intercepts/BVR a minimum airspace of 40nm is usually required. |
| CAT I | AA GUNS | Air-to-Air Gunnery Range | Any airspace that can support Air-to-Air Gunnery on a towed Banner. Implies Restricted Airspace or Warning Areas for example. | |
| CAT I | MACH 1+ | Supersonic | Any airspace that can support Supersonic Flight. | |
| CAT I | AAR | Air to Air Refueling | Any airspace that can support AAR. | |
| CAT II | TACTS | Tactical Air Combat Training System (TACTS) | TACTS range capable. A sophisticated airspace tracking and display instrumentation systems used primarily in ACM and threat WEZ recognition. All maneuvers are displayed real-time for a squadron Range Training Officer (RTO). All data is recorded to allow the aircrew to conduct post-mission analysis or "debriefs". | TACTS usually includes ACM, NDBS, EW, NDWS, ARM, capabilities. Implies RSTD Airspace. |
| CAT II | EW | Electronic Warfare | Threat Emitters providing a dynamic red/or gray force threat environment to enhance threat recognition, self-protection and defense suppression techniques. | |
| CAT II | Hi Fi EW | High Fidelity EW | Hi Fidelity (live) Emitters. Live actual SAM systems with operators. Can provide feedback via tape debrief. | Often a desired substitute for EW, may be cost prohibitive |
| CAT II | ACM | Air Combat Maneuvering | Supports training in A-A maneuvers and weapons employment under realistic conditions for manned high performance FW & RW aircraft. This includes weapon simulation (AIM-9, AIM-7, AIM-120) from launch to impact with kill & miss indications as well as Pk and reason for miss provided. | |

| Category | Abbreviation | Name | Description | Notes |
|---|---|---|---|---|
| CAT II | ARM | Anti Radiation Missile | Supports training to ARM delivery with simulated missile fly-out and kill indications | |
| CAT II | CEDS | Countermeasures Employments Detection System | Supports training to countermeasures by linking to the ALE via TACTS systems for EW training. Normally included in a TACTS EW range. | |
| CAT II | ATIS | Avenger TACTS Interface | Allows the LAAD Avenger team to plug into TACTS and evaluate control/scoring | |
| CAT II | LSTSS | Large Scale Target Sensor System | A remote control scoring system capable of tracking LASER designator spots | |
| CAT II | IWTS | Imaging Weapons Training System | Virtual simulation to provide pilot uplink imagery of weapon seeker image through TOF to actual target | Supports SLAM-ER |
| CAT II | URBN WPNS | Urban Weapons Impact Range | Urban CAS range capable of JCAS, LT INERT and LSR. | |
| CAT II | URBN TRG | Urban Training | Urban area with overlying Restricted or MOA training airspace. Does not imply authorized weapons release or LASER use. | Example is a town such as Yuma under the Dome MOA. |
| CAT II | RKD RNG | Raked Range | Concentric circle range, with WISS. LSR and RLSR a desired capability but must be specified. Night lighting capability implied. | |
| CAT II | LSR | LASER Safe Range | Supports Airborne LASER Firing. | |
| CAT II | RLSR | Remote LASER Capable | A remote operated ground LASER may designate a target | Should be standard on a RKD RNG |
| CAT II | WISS | Weapons Impact Scoring Set | Scores bombing to designated targets. Scores can be relayed via voice of fax. | Should be standard on a RKD RNG |
| CAT II | NDBS | No Drop Bomb Scoring | Scores simulated bombing to designated targets. Scores can be relayed via tape debrief. | Should be standard on TACTS |
| CAT II | STRAFE | Strafe Pit / Target | A scored Strafing Pit or Target. | Often located near a RKD RNG |
| CAT II | TGT | Target | Any point- target that is authorized to release INERT weapons on. | May include an unscored Raked Range |
| CAT II | IR TGT | IR Significant Target | IR Significant Target | |
| CAT II | RDR TGT | RADAR Significant Target | RADAR Significant Target | |
| CAT II | LINK | LINK 16 | LINK 16 available. | |
| CAT III | HE | HE Impact Area | Supports live HE ordnance. Implies EXP. | |

| Category | Abbreviation | Name | Description | Notes |
|---|---|---|---|---|
| CAT III | JCAS | JCAS TTPs | Supports all three types of CAS in the range. Allows JTAC personnel on range. Implies LSR and either INERT or HE. | |
| CAT III | LT INERT | Light Inert | Light Inert Impact Area. | MK-76 / LGTR / BDU-48 / Gun / Rockets |
| CAT III | HVY INERT | Heavy Inert | Heavy Inert Impact Area. | 500lb and above |
| CAT III | JDAM | JDAM Impact Area / Target | Supports JDAM release. | |
| CAT III | JSOW | JSOW Impact Area / Target | Supports JSOW release. | |
| CAT III | LGB | LGB Impact Area / Target | Supports LGB (HE or HVY INERT) release and LASER firing | |
| CAT III | AA MISSILE | AA Missile Firing Range | Supports AA Missile Firing | AIM-9 / AIM-7 / AIM-120 |
| CAT III | AS MISSILE | A/S Missile Firing Range | Supports AS Missile Firing | LMAV / LGB / Hellfire / TOW |
| CAT III | ARM MISSILE | ARM Missile Firing Range | Supports ARM Missile Firing. Requires an EW emitter. | AGM-88 |
| CAT III | EXP | Expendables Authorized | Supports use of Chaff & Flares | |
| CAT III | ICM | Improved Conventional Munitions | Supports ICM or Cluster munitions | |
| CAT IV | IMC | Instrumented Multi-Spectral Cues | Full size replicas of actual AAA and SAM systems, IR significant and normally linked to LSTSS and NDBS / WISS | |
| CAT IV | MOCK | Mock-up Targets | Full size replicas of Mechanized or Threat vehicles. IR significant desired. Weapons release not implied. | |
| CAT IV | GWVS | Ground Warfare Visual Simulator | Provide enhanced battlefield realism via simulation of muzzle flashes for AAA and launch of SAMs | |
| CAT IV | SST | Smokey SAM Team | Smoke Rockets to simulate MANPADs or RF SAMs | |
| CAT IV | COMPLEX | Complex Target Array | Dispersed target array requiring sorting of targets and may include infrastructures such as runways, facilities, POL sites, etc. Implies INERT and LSR. WISS desired. WISS desired. | |
| CAT IV | TGT-FORM | Tactical Targets in Formation | Full size actual or replicas of Mechanized or Threat vehicles. IR significant desired. Implies INERT and LSR. WISS desired. | |
| CAT IV | TGT-DISP | Tactical Targets Dispersed | Full size actual or replicas of Mechanized or Threat vehicles. IR significant desired. Implies INERT and LSR. WISS desired. | |

| Category | Abbreviation | Name | Description | Notes |
|---|---|---|---|---|
| CAT IV | TGT-MOVE | Tactical Targets Moving | Full size actual or replicas of Mechanized or Threat vehicles. IR significant desired. Implies LT INERT and LSR. WISS & LSTSS desired. | |
| CAT IV | RECCE ARRAY | Actual Tactical Targets in an Array for PID | Full size actual Mechanized or Threat vehicles. Organized in an array in order to allow PID. Weapons release not implied. | |
| CAT IV | STRUCTR | Structures | May include a building, bunker or revetment. IR significant desired. Inert weapons release authorized. LSR capable. WISS desired. | |

180. MOS SYLLABUS MATRIX. These matrices display specific 100 - 700 level event information.

| STAGE | TRNG CODE | FLT HOURS | FLIGHTS | SIM HOURS | SIMULATOR | REFLY INTVL | DEVICE | # OF A/C | CONDITIONS | PREREQ | POI | EVAL | CRP | SORTIE DESCRIPTION | EVENT CONV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CORE SKILL INTRODUCTION 100 SERIES** | | | | | | | | | | | | | | | |
| **FAM** | | | | | | | | | | | | | | | |
| SFAM | 001 | | | 2.0 | X | * | S | | | GROUND SCHOOL | B | E | 0.2 | COCKPIT, PRE-START, ENGINE START, TAXI CHECKLISTS | 001 |
| SFAM | 002 | | | 2.0 | X | * | S | | | 001 | B | E | 0.2 | TAKEOFF, INFLIGHT, LANDING CHECKLISTS | 002 |
| SFAM | 003 | | | 2.0 | X | * | S | | | 002 | B | E | 0.2 | TAKEOFF, INFLIGHT, LANDING CHECKS / MANEUVERS / EP | 003 |
| SFAM | 004 | | | 2.0 | X | * | S | | | 003 | B | E | 0.2 | TAKEOFF, INFLIGHT, LANDING CHECKS / MANEUVERS / EP | 004 |
| SFAM | 005 | | | 2.0 | X | * | S | | | 004 | B | E | 0.2 | TAKEOFF, INFLIGHT, LANDING CHECKS / MANEUVERS / EP | 005 |
| SFAM | 006 | | | 2.0 | X | * | S | | | 005 | B | E | 0.2 | TAKEOFF, INFLIGHT, LANDING CHECKS / MANEUVERS / EP | 006 |
| SFAM | 007 | | | 2.0 | X | * | S | | | 006 | B | E | 0.2 | TAKEOFF, INFLIGHT, LANDING CHECKS / MANEUVERS / EP | 007 |
| SFAM | 008 | | | 2.0 | X | * | S | | | 007 | B | E | 0.2 | INTRO EP / REVIEW TAKEOFF, INFLIGHT, LANDING CHECKS AND MANEUVERS | 008 |
| SFAM | 009 | | | 2.0 | X | * | S | | | 008 | B | E | 0.2 | INTRO EP / REVIEW TAKEOFF, INFLIGHT, LANDING CHECKS AND MANEUVERS | 009 |
| SFAM | 010 | | | 2.0 | X | * | S | | | 009 | B | E | 0.2 | INTRO EP / REVIEW TAKEOFF, INFLIGHT, LANDING CHECKS AND MANEUVERS | 010 |
| SFAM | 011 | | | 2.0 | X | * | S | | | 010 | B | E | 0.2 | INTRO EP / REVIEW TAKEOFF, INFLIGHT, LANDING CHECKS AND MANEUVERS | 011 |
| SFAM | 012 | | | 2.0 | X | * | S | | | 011 | B | E | 0.2 | INTRO EP AND PROGRESS CHECK | 012 |
| FAM | 013 | 1.3 | X | | | * | A | 1 | | 012 | B | E | 0.5 | CTO, STO(S), HANDLING DRILLS, FNSL(S), VNSL(A) | 013 |
| FAM | 014 | 1.3 | X | | | * | A | 1 | | 013 | B | E | 0.5 | TACAN, R+G LANDINGS, VNSL(S), PRESS-UP / REVIEW | 014 |
| FAM | 015 | 1.3 | X | | | * | A | 1 | | 014 | B | E | 0.5 | GCA, CL, T+G LANDINGS / REVIEW | 015 |
| FAM | 016 | 1.3 | X | | | * | A | 1 | | 015 | B | E | 0.5 | VTO ACCEL, RVL, DECEL-VL, BOX PATTERN / REVIEW | 016 |
| FAM | 017 | 1.3 | X | | | * | A | 1 | | 016 | B | E | 0.5 | RVTO, HSSL / REVIEW | 017 |
| FAM | 018 | 1.3 | X | | | * | A | 1 | | 017 | B | E | 0.5 | PEDAL TURN / REVIEW | |
| FAM | 019 | 1.3 | X | | | * | A | 1 | | 018 | B | E | 0.5 | T+G LANDINGS / REVIEW | |
| SFAM | 020 | | | 1.5 | X | * | S | | | 019 | B | E | 0.2 | INSTRUMENT PROCEDURES / PARTIAL PANEL / UNUSUAL ATTITUDES | 040 |
| SFAM | 021 | | | 1.5 | X | * | S | | | 020 | B | E | 0.2 | AIRWAYS NAVIGATION / REVIEW | 041 |
| SFAM | 022 | | | 1.5 | X | * | S | | | 021 | B | E | 0.2 | CRUISE PROFILE, MAXIMUM RANGE, MIN FUEL GCA / REVIEW | 042 |
| FAM | 023 | 1.5 | X | | | * | A | 1 | | 022 | B | E | 0.5 | INSTRUMENT PROCEDURES, APPROACHES, MISSED APPROACHES | 043 |
| FAM | 024 | 1.5 | X | | | * | A | 1 | | 023 | B | E | 0.5 | AIRWAYS NAVIGATION, FUEL GCA | 044 |
| SFAM | 025 | | | 1.5 | X | * | S | | | 024 | B | E | 0.2 | INSTRUMENT CHECK | 045 |
| FAM | 026 | 1.3 | X | | | * | A | 1 | | 025 | B | E | 0.5 | VFR STRAIGHT-IN / REVIEW | 022 |
| SFAM | 027 | | | 2.0 | X | * | S | | | 026 | B | E | 0.2 | COMPOUND EMERGENCIES | 023 |
| FAM | 028 | 1.3 | X | | | * | A | 1 | | 027 | B | E | 0.5 | SAFE FOR SOLO CHECK | 025 |
| FAM | 029 | 1.3 | X | | | * | A | 1 | | 028 | B | E | 0.5 | SOLO FLIGHT | 026 |
| | | **16.0** | **12** | **32.0** | **17** | | | | | | | | **9.4** | | |
| **FBO** | | | | | | | | | | | | | | | |
| SFBO | 030 | | | 1.0 | X | * | S | | | GND SCHL, 029 | B | E | 0.2 | INTRODUCE FBO AND EMERGENCY PROCEDURES | 050 |
| FBO | 031 | 0.8 | X | | | * | A | 1 | | 030 | B | E | 0.4 | PRACTICE FBO | 051 |
| FBO | 032 | 0.8 | X | | | * | A | 1 | | 031 | B | E | 0.4 | REVIEW FBO | 052 |
| | | **1.6** | **2** | **1.0** | **1** | | | | | | | | **1.0** | | |
| **FCLP** | | | | | | | | | | | | | | | |
| SFCLP | 035 | | | 1.0 | X | * | S | | | GND SCHL, 029 | B | E | 0.2 | INTRODUCE FCLP AND EMERGENCY PROCEDURES | 060 |
| FCLP | 036 | 1.0 | X | | | * | A | 1 | | 035 | B | E | 0.4 | PRACTICE FCLP | 061 |
| FCLP | 037 | 1.0 | X | | | * | A | 1 | | 036 | B | E | 0.4 | REVIEW FCLP | 062 |
| FCLP | 038 | 1.0 | X | | | * | A | 1 | | 037 | B | E | 0.4 | REVIEW FCLP | 063 |
| FCLP | 039 | 1.0 | X | | | * | A | 1 | | 038 | B | E | 0.4 | REVIEW FCLP | 064 |
| FCLP | 040 | 1.0 | X | | | * | A | 1 | | 039, | B | E | 0.4 | REVIEW FCLP | 065 |
| FCLP | 041 | 1.0 | X | | | * | A | 1 | | 040, 50 HRS | B | E | 0.4 | FCLP (D) QUAL | 066 |
| | | **6.0** | **6** | **1.0** | **1** | | | | | | | | **2.6** | | |
| **FORM** | | | | | | | | | | | | | | | |
| FORM | 045 | 1.3 | X | | | * | A | 2 | | GND SCHL, 029 | B | E | 0.4 | INTRODUCE ADMINISTRATIVE FORMATION PROCEDURES | 019 |
| FORM | 046 | 1.3 | X | | | * | A | 2 | | 045 | B | E | 0.4 | PRACTICE ADMINISTRATIVE FORMATION PROCEDURES | 020 |
| | | **2.6** | **2** | **0.0** | **0** | | | | | | | | **0.8** | | |
| **AAH** | | | | | | | | | | | | | | | |
| SAAH | 050 | | | 2.0 | X | * | S | | | GND SCHL, 046 | B | E | 0.2 | INTRODUCE AEROBATICS AND SLOW SPEED MANEUVERING | |
| SAAH | 051 | | | 2.0 | X | * | S | | | 050 | B | E | 0.2 | INTRODUCE ADVANCED AIRCRAFT MANEUVERS | 080 |
| SAAH | 052 | | | 2.0 | X | * | S | | | 051 | B | E | 0.2 | INTRODUCE ADVANCE AIRCRAFT MANEUVERS | 081 |
| AAH | 053 | 1.0 | X | | | * | A | 1 | | 052 | B | E | 0.4 | PRACTICE ADVANCED AIRCRAFT MANEUVERS | |
| AAH | 054 | 1.0 | X | | | * | A | 1 | | 053 | B | E | 0.4 | PRACTICE ADVANCED AIRCRAFT MANEUVERS | 083 |
| AAH | 055 | 1.0 | X | | | * | A | 2 | | 054 | B | E | 0.4 | PRACTICE ADVANCED AIRCRAFT MANEUVERS | |
| | | **3.0** | **3** | **6.0** | **3** | | | | | | | | **1.8** | | |
| **TACFORM** | | | | | | | | | | | | | | | |
| TACFORM | 060 | 1.1 | X | | | * | A | 2 | | 055 | B | E | 0.4 | SECTION TACFORM AT MEDIUM ALTITUDE | 070 |
| TACFORM | 061 | 1.1 | X | | | * | A | 2 | | 060 | B | E | 0.4 | COMM-OUT TURNS AT MEDIUM ALTITUDE | 071 |

| STAGE | TRNG CODE | FLT HOURS | FLIGHTS | SIM HOURS | SIMULATOR | REFLY INTVL | DEVICE | # OF A/C | CONDITIONS | PREREQ | POI | EVAL | CRP | SORTIE DESCRIPTION | EVENT CONV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TACFORM | 062 | 1.1 | X | | | * | A | 2 | | 061 | B | E | 0.4 | SECTION TACFORM AT LOW LEVEL | 074 |
| TACFORM | 063 | 1.1 | X | | | * | A | 2 | | 062 | B | E | 0.4 | SECTION TACFORM AT HIGH ALTITUDE | |
| TACFORM | 064 | 1.1 | X | | | * | A | 4 | | 063 | B | E | 0.4 | DIVISION FORMATION AT MEDIUM ALTITUDE | 075 |
| | | **5.5** | **5** | **0.0** | **0** | | | | | | | | **2.0** | | |
| | | | | | | | **NAV** | | | | | | | | |
| SNAV | 065 | | | 1.5 | X | * | S | | | 055, GND SCHL | B | E | 0.4 | INTRODUCE LOW LEVEL NAVIGATION | 090 |
| SNAV | 066 | | | 1.5 | X | * | S | | | 065 | B | E | 0.4 | INTRODUCE OFP DIFFERENCES FOR NAVIGATION | 091 |
| | | **0.0** | **0** | **3.0** | **2** | | | | | | | | **0.8** | | |
| | | | | | | | **INT** | | | | | | | | |
| SINT | 070 | | | 1.5 | X | * | S | | | GND SCHL, 046 | B | E | 0.3 | INTRODUCE A/A CONTROLS AND DISPLAYS (MTT) | |
| SINT | 071 | | | 1.5 | X | * | S | | | 070 | B | E | 0.3 | INTRODUCE RADAR INTERCEPT: COLLISION BEARING (MTT) | |
| SINT | 072 | | | 1.5 | X | * | S | | | 071 | B | E | 0.3 | INTRODUCE RADAR INTERCEPT: RBH (MTT) | |
| SINT | 073 | | | 1.5 | X | * | S | | | 072 | B | E | 0.3 | INTRODUCE RADAR INTERCEPT: COLLISION BEARING (SIM) | |
| SINT | 074 | | | 1.5 | X | * | S | | | 073 | B | E | 0.3 | INTRODUCE RADAR INTERCEPT: RBH (SIM) | |
| INT | 075 | 1.2 | X | | | * | A | 2 | | 074 | B | E | 0.6 | INTRODUCE RADAR INTERCEPT: COLLISION BEARING | |
| INT | 076 | 1.2 | X | | | * | A | 2 | | 075 | B | E | 0.6 | INTRODUCE RADAR INTERCEPT: RBH | |
| | | **2.4** | **2** | **7.5** | **2** | | | | | | | | **2.7** | | |
| | | | | | | | **AAR** | | | | | | | | |
| AAR | 080 | 1.5 | X | | | * | A | 2 | | GND SCHL,064 | B | E | 0.5 | DAY AAR QUALIFICATION | 161 |
| | | **1.5** | **1** | **0.0** | **0** | | | | | | | | **0.5** | | |
| | | | | | | | **TCT** | | | | | | | | |
| STCT | 085 | | | 1.5 | X | * | S | | | GND,SCHL, 064 | B | E | 0.5 | INTRODUCE ASE / MEDIUM ALTITUDE TCT | 125 |
| STCT | 086 | | | 1.5 | X | * | S | | | 085 | B | E | 0.5 | MEDIUM ALTITUDE TO LOW ALTITUDE TCT | |
| TCT | 087 | 1.0 | X | | | * | A | 2 | | 086,125 | B | E | 1.0 | MEDIUM ALTITUDE AND LOW ALTITUDE TCT | 126 |
| TCT | 088 | 1.0 | X | | | * | A | 2 | | 087 | B | E | 1.0 | MEDIUM ALTITUDE TCT | |
| | | **2.0** | **2** | **3.0** | **2** | | | | | | | | **3.0** | | |
| | | | | | | | **AS** | | | | | | | | |
| SAS | 090 | | | 1.5 | X | | S | | | GRND SCHL, 088 | B | E | 0.4 | INTRODUCE A/S RADAR CONTROLS AND DISPLAYS | |
| SAS | 091 | | | 1.5 | X | * | S | | | 090 | B | E | 0.4 | INTRODUCE A/S RADAR MODES | |
| SAS | 092 | | | 1.5 | X | * | S | | | 091 | B | E | 0.4 | INTRODUCE COMPUTED WEAPONS DELIVERIES | 100 |
| SAS | 093 | | | 1.5 | X | * | S | | | 092 | B | E | 0.4 | INTRODUCE LOW ANGLE DELIVERIES | 101 |
| SAS | 094 | | | 1.5 | X | * | S | | | 093 | B | E | 0.4 | INTRODUCE ARBS/TV DELIVERIES | 102 |
| SAS | 095 | | | 1.5 | X | * | S | | | 094 | B | E | 0.4 | INTRODUCE ARBS/LST DELIVERIES | 103 |
| SAS | 096 | | | 1.5 | X | * | S | | | 095 | B | E | 0.4 | INTRODUCE AGR / OSCAR DIFFERENCES | |
| SAS | 097 | | | 1.5 | X | * | S | | | 093 | B | E | 0.4 | INTRODUCE LOW ANGLE STRAFE / ROCKET DELIVERIES | |
| AS | 098 | 1.0 | X | | | * | A | 1 | | 096,127 | B | E | 0.8 | INTRODUCE COMPUTED WEAPONS DELIVERIES | 105 |
| AS | 099 | 1.0 | X | | | * | A | 2 | | 098 | B | E | 0.8 | REVIEW MEDIUM ANGLE DELIVERIES | |
| AS | 100 | 1.0 | X | | | * | A | 2 | | 099 | B | E | 0.8 | INTRODUCE ARBS/TV DELIVERIES | 106 |
| AS | 101 | 1.0 | X | | | * | A | 2 | | 099 | B | E | 0.8 | INTRODUCE AGR MODE | |
| AS | 102 | 1.0 | X | | | * | A | 1 | | 099 | B | E | 0.8 | INTRODUCE LOW ANGLE DELIVERIES | 108 |
| AS | 103 | 1.0 | X | | | * | A | 2 | | 097, 100, 101, 102 | B | E | 0.8 | INTRODUCE LOW ANGLE STRAFE, HIGH DRAG DELIVERIES | 109 |
| | | **6.0** | **6** | **12.0** | **8** | | | | | | | | **8.0** | | |
| | | | | | | | **MECH** | | | | | | | | |
| SMECH | 105 | | | 1.5 | X | * | S | | | 103, GND SCHL | B | E | 0.5 | INTRODUCE TRANSITION PROFILES AND HVYWT AIRCRAFT HANDLING | 112 |
| SMECH | 106 | | | 1.5 | X | * | S | | | 105 | B | E | 0.5 | INTRODUCE LOW ALTITUDE TRANSITION PROFILES | 115 |
| SMECH | 107 | | | 1.5 | X | * | S | | | TPOD GS | B | E | 0.5 | INTRODUCE TPOD CONTROLS AND DISPLAYS | |
| SMECH | 108 | | | 1.5 | X | * | S | | | 105,107 | B | E | 0.5 | INTRODUCE TPOD BUDDY AND SELF-LASE ATTACKS | |
| MECH | 109 | 1.0 | X | | | * | A | 2 | | 105 | B | E | 1.0 | INTRODUCE TRANSITION PROFILES | 114 |
| MECH | 110 | 1.0 | X | | | * | A | 1 | | 106 | B | E | 1.0 | INTRODCUCE LOW ALTITUDE TRANSITION PROFILES | |
| MECH | 111 | 1.0 | X | | | * | A | 2 | | 109 | B | E | 1.0 | INTRODUCE MEDIUM ALTITUDE SECTION ATTACKS | 118 |
| MECH | 112 | 1.0 | X | | | * | A | 2 | | 111 | B | E | 1.0 | REVIEW MEDIUM ALTITUDE SECTION ATTACKS | |
| MECH | 113 | 1.0 | X | | | * | A | 2 | | 110,112 | B | E | 1.0 | INTRODUCE LOW ALTITUDE SECTION ATTACKS | 120 |
| MECH | 114 | 1.0 | X | | | * | A | 2 | | 108,112 | B | E | 1.0 | INTRODUCE TPOD BUDDY-LASE PROFILES | |
| MECH | 115 | 1.0 | X | | | * | A | 2 | | 114 | B | E | 1.0 | REVIEW TPOD BUDDY-LASE PROFILES | |
| | | **7.0** | **7** | **6.0** | **4** | | | | | | | | **9.0** | | |
| | | | | | | | **CAS** | | | | | | | | |
| SCAS | 120 | | | 1.5 | X | * | S | | | GND SCHL,115 | B | E | 0.5 | INTRODUCE MEDIUM ALTITUDE CAS | 140 |
| SCAS | 121 | | | 1.5 | X | * | S | | | 120 | B | E | 0.5 | INTRODUCE LOW LEVEL CAS | 141 |
| CAS | 122 | 1.0 | X | | | * | A | 1 | | 120 | B | E | 0.5 | INTRODUCE MEDIUM ALTITUDE CAS | 142 |
| CAS | 123 | 1.0 | X | | | * | A | 2 | | 122 | B | E | 1.0 | REVIEW MEDIUM ALTITUDE CAS | 143 |
| CAS | 124 | 1.0 | X | | | * | A | 2 | | 121,123 | B | E | 1.0 | INTRODUCE LOW LEVEL CAS | 144 |
| | | **3.0** | **3** | **3.0** | **2** | | | | | | | | **3.5** | | |
| | | | | | | | **VCON** | | | | | | | | |
| VCON | 125 | 1.3 | X | | | * | A | 1 | | TCT GND SCHL, 029 | B | E | 0.5 | V/STOL CONSOLIDATION | 027 |
| SVCON | 126 | | | 1.0 | X | * | S | | | AS GND SCHL, 029 | B | E | 0.2 | EMERGENCY PROCEDURES REVIEW | 024 |
| VCON | 127 | 1.3 | X | | | * | A | 1 | | 126 | B | E | 0.5 | V/STOL CONSOLIDATION | 028 |
| VCON | 128 | 1.3 | X | | | * | A | 1 | | AA GND SCHL, 029 | B | E | 0.5 | V/STOL CONSOLIDATION | 029 |
| | | **3.9** | **3** | **1.0** | **1** | | | | | | | | **1.7** | | |

| STAGE | TRNG CODE | FLT HOURS | FLIGHTS | SIM HOURS | SIMULATOR | REFLY INTVL | DEVICE | # OF A/C | CONDITIONS | PREREQ | POI | EVAL | CRP | SORTIE DESCRIPTION | EVENT CONV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **AA** | | | | | | | | | | | | | | | |
| SAA | 130 | | | 1.5 | X | * | S | | | GND SCHL, 124 | B | E | 0.4 | INTRODUCE BFM HANDLING. REVIEW AIRCRAFT HANDLING | 150 |
| SAA | 131 | | | 2.0 | X | * | S | | | 130 | B | E | 0.4 | INTRODUCE TVC | 151 |
| AA | 132 | 1.0 | X | | | * | A | 2 | | 131,128 | B | E | 0.8 | INTRODUCE AA WEAPONS, AIRCRAFT HANDLING, TVC | 153 |
| AA | 133 | 1.0 | X | | | * | A | 2 | | 132 | B | E | 0.8 | INTRODUCE BFM PROCEDURES AND DRILLS | |
| AA | 134 | 1.0 | X | | | * | A | 2 | | 133 | B | E | 0.8 | 1V1 OFFENSIVE BFM | 154 |
| AA | 135 | 1.0 | X | | | * | A | 2 | | 134 | B | E | 0.8 | 1V1 OFFENSIVE BFM | |
| AA | 136 | 1.0 | X | | | * | A | 2 | | 135 | B | E | 0.8 | 1V1 DEFENSIVE BFM | 155 |
| AA | 137 | 1.0 | X | | | * | A | 2 | | 136 | B | E | 0.8 | 1V1 DEFENSIVE BFM | |
| AA | 138 | 1.0 | X | | | * | A | 2 | | 137 | B | E | 0.8 | 1V1 NEUTRAL BFM | 156 |
| | | **7.0** | **7** | **3.5** | **2** | | | | | | | | **6.4** | | |
| **NS** | | | | | | | | | | | | | | | |
| SNS | 140 | | | 1.5 | X | * | S | | N | GND SCHL,124 | B | E | 0.4 | INTRODUCE NIGHT UNAIDED V/STOL AND NVG USAGE | 030 |
| SNS | 141 | | | 1.5 | X | * | S | | NS | 140 | B | E | 0.4 | INTRODUCE NS V/STOL | 170 |
| NS | 142 | 1.3 | X | | | * | A | 1 | N | 141 | B | E | 0.8 | INTRODUCE NIGHT UNAIDED V/STOL AND NVG USAGE | 031 |
| NS | 143 | 1.3 | X | | | * | A | 2 | N | 142 | B | E | 0.8 | INTRODUCE NIGHT UNAIDED FORMATION | 076 |
| NS | 144 | 1.3 | X | | | * | A | 1 | NS | 143 | B | E | 0.8 | NIGHT SYSTEM V/STOL CONSOLIDATION | 172 |
| NS | 145 | 1.3 | X | | | * | A | 2 | NS | 144 | B | E | 0.8 | INTRODUCE NS FORMATION | 173 |
| | | **5.2** | **4** | **3.0** | **2** | | | | | | | | **4.0** | | |
| **NFAM** | | | | | | | | | | | | | | | |
| NFAM | 146 | 1.3 | X | | | * | A | 1 | N* | 145 | B | E | 0.8 | INTRODUCE NS FORMATION | 033 |
| | | **1.3** | **1** | **0.0** | **0** | | | | | | | | **0.8** | | |
| **NATOPS** | | | | | | | | | | | | | | | |
| NATOPS | 195 | | | 1.5 | X | * | S | | | COMPLETE | B | E | 2.0 | AIRCRAFT SYSTEMS, NORMAL AND EMERGENCY PROCEDURES | 190 |
| | | **0.0** | **0** | **1.5** | **1** | | | | | | | | **2.0** | | |
| | | **74.0** | **66.0** | **76.0** | **46.0** | | | | | | | | **60.0** | | |
| **REFRESHER SYLLABUS 100 SERIES** | | | | | | | | | | | | | | | |
| **RFAM** | | | | | | | | | | | | | | | |
| RSFAM | 150 | | | 1.5 | X | * | S | | | GND SCHL | R M SS | E | | COCKPIT PROCEDURES / TAKEOFF, INFLIGHT, LNDG CHECKS / EP | |
| RSFAM | 151 | | | 1.5 | X | * | S | | | 150 | R M SS | E | | REVIEW NORMAL, EMERGENCY PROCEDURES | |
| RSFAM | 152 | | | 1.5 | X | * | S | | | 151 | R M SS | E | | REVEW TACAN, GCA, NORMAL PROCEDURES | |
| RSFAM | 153 | | | 1.5 | X | * | S | | | 152 | R M SS | E | | REVIEW NORMAL, EMERGENCY PROCEDURES | |
| RSFAM | 154 | | | 1.5 | X | * | S | | | 153 | R M SS | E | | PROGRESS CHECK | |
| RSFAM | 155 | | | 1.5 | X | * | S | | | 154 | R M SS | E | | COMPOUND EMERGENCIES | |
| RFAM | 156 | 1.3 | X | | | * | A | 1 | | 155 | R M SS | E | | PRACTICE VSTOL | |
| RFAM | 157 | 1.3 | X | | | * | A | 1 | | 156 | R M SS | E | | PRACTICE VSTOL | |
| RFAM | 158 | 1.3 | X | | | * | A | 1 | | 157 | R M | E | | PRACTICE VSTOL | |
| RSFAM | 159 | | | 1.5 | X | * | S | | | 158 | R M | E | | AIRWAYS NAVIGATION | |
| RFAM | 160 | 1.3 | X | | | * | A | 1 | | 159 | R | E | | AIRWAYS NAVIGATION, MIN FUEL GCA | |
| RSFAM | 161 | | | 1.5 | X | * | S | | | 159,160 | R M | E | | INSTRUMENT CHECK | |
| RFAM | 162 | 1.3 | X | | | * | A | 1 | | 161,157 | R M SS | E | | SAFE FOR SOLO CHECK FLIGHT | |
| RFAM | 163 | 1.3 | X | | | * | A | 1 | | 162 | R M SS | E | | SOLO FLIGHT | |
| | | **7.8** | **6** | **12.0** | **8** | | | | | | | | | | |
| **RFORM** | | | | | | | | | | | | | | | |
| RFORM | 165 | 1.1 | X | | | * | A | 2 | | GND SCHL,163 | R M | E | | REVIEW ADMINISTRATIVE AND TACTICAL FORMATION | |
| | | **1.1** | **1** | **0.0** | **0** | | | | | | | | | | |
| **RNAV** | | | | | | | | | | | | | | | |
| RSNAV | 170 | | | 1.5 | X | * | S | | | GND SCHL,163 | R M | E | | INTRODUCE LOW LEVEL NAVIGATION | |
| | | **0.0** | **0** | **1.5** | **1** | | | | | | | | | | |
| **RTCT** | | | | | | | | | | | | | | | |
| RSTCT | 175 | | | 1.5 | X | * | S | | | GND SCHL,170 | R | E | | INTRODUCE ASE / MEDIUM ALTITUDE TCT | |
| | | **0.0** | **0** | **1.5** | **1** | | | | | | | | | | |
| **RAS** | | | | | | | | | | | | | | | |
| RSAS | 180 | | | 1.5 | X | * | S | | | GND SCHL,170,175 | R M | E | | REVIEW MEDIUM AND LOW ANGLE ARBS/TV/LST DELIVERIES | |
| RAS | 181 | 1.0 | X | | | * | A | 1+ | | 180 | R M | E | | INTRODUCE COMPUTED WEAPONS DELIVERIES | |
| RAS | 182 | 1.0 | X | | | * | A | 2 | | 181 | R M | E | | REVIEW MEDIUM AND LOW ANGLE ARBS/TV/LST DELIVERIES | |
| | | **2.0** | **2** | **1.5** | **1** | | | | | | | | | | |
| **RMECH** | | | | | | | | | | | | | | | |

| STAGE | TRNG CODE | FLT HOURS | FLIGHTS | SIM HOURS | SIMULATOR | REFLY INTVL | DEVICE | # OF A/C | CONDITIONS | PREREQ | POI | EVAL | CRP | SORTIE DESCRIPTION | EVENT CONV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| RSMECH | 185 | | | 1.5 | X | * | S | | | GND SCHL,182 | R | E | | INTRODUCE TRANSITION PROFILES | |
| RSMECH | 186 | | | 1.5 | X | * | S | | | 185 | R | E | | INTRODUCE LOW ALTITUDE TRANSITION PROFILES | |
| RMECH | 187 | 1.0 | X | | | * | A | 2 | | 186 | R | E | | REVIEW SECTION MEDIUM ALTITUDE ATTACKS | |
| RMECH | 188 | 1.0 | X | | | * | A | 2 | | 187 | R | E | | BRIEF, LEAD AND DEBRIEF MEDIUM ALTITUDE ATTACKS | |
| | | **2.0** | **2** | **3.0** | **2** | | | | | | | | | | |
| | | | | | | | | | | **RSCAS** | | | | | |
| RSCAS | 190 | | | 1.5 | X | * | S | | | GND SCHL,186 | R | E | | INTRODUCE MEDIUM ALTITUDE CAS | |
| | | **0.0** | **0** | **1.5** | **1** | | | | | | | | | | |
| | | | | | | | | | | **RNATOPS** | | | | | |
| RSNATOPS | 195 | | | 1.5 | X | * | S | | | COMPLETE | R M SS | E | | AIRCRAFT SYSTEMS, NORMAL AND EMERGENCY PROCEDURES | 190 |
| | | **0.0** | **0** | **1.5** | **1** | | | | | | | | | | |
| | | **12.9** | **11.0** | **22.5** | **15.0** | | | | | | | | | | |

| STAGE | TRNG CODE | FLT HOURS | FLIGHTS | SIM HOURS | SIMULATOR | REFLY INTVL | DEVICE | # OF A/C | CONDITIONS | PREREQ | POI | EVAL | CRP | CHAINING | SORTIE DESCRIPTION | EVENT CONV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **CORE SKILL BASIC 200 SERIES** | | | | | | | | | | | | | | | | |
| **FAM** | | | | | | | | | | | | | | | | |
| SFAM | 200 | | | 1.0 | X | * | S | | (NS) | (255) | | | 0.0 | | OFP DIFFERENCES SIM | 200 |
| SFAM | 201 | | | 1.0 | X | 30 | S | | (NS) | 200, (255) | R | | 0.0 | | EP SIM | 200 |
| FAM | 202 | 1.3 | X | | | 30 | A | 1+ | (NS) | 201, (255) | R | | 0.1 | | DAY FAM VSTOL NAV INST | 201 |
| | | **1.3** | **1** | **2.0** | **2** | | | | | | | | **0.1** | | | |
| **AAR** | | | | | | | | | | | | | | | | |
| AAR | 210 | 1.3 | X | | | 365 | A | 1+ | | 202 | R | | 0.3 | 202 | DAY AAR | 204 |
| AAR | 211 | 1.3 | X | | | 365 | A | 1+ | N | 210, (255) | R | | 0.3 | 202, 210 | NIGHT AAR | 205 |
| | | **2.6** | **2** | **0.0** | **0** | | | | | | | | **0.6** | | | |
| **LAT** | | | | | | | | | | | | | | | | |
| SLAT | 220 | | | 1.0 | X | * | S | | | 202 | | | 0.0 | | 2D / 3D LAT SIM | 220 |
| SLAT | 221 | | | 1.0 | X | 180 | S | | | 220 | R | | 0.1 | | LAT SACT SIM | 221 |
| LAT | 222 | 1.0 | X | | | * | A | 2 | | 221 | | | 0.4 | 202 | 2D / 3D LAT | 223 |
| LAT | 223 | 1.0 | X | | | * | A | 2 | | 222 | | | 0.4 | 202, 222 | LAT SACT | 226 |
| | | **2.0** | **2** | **2.0** | **2** | | | | | | | | **0.9** | | | |
| **AS** | | | | | | | | | | | | | | | | |
| SAS | 230 | | | 1.0 | X | * | S | | (NS) | 223 | R | | 0.1 | | SACT SIM | 206 |
| SAS | 231 | | | 1.0 | X | * | S | | (NS) | 202 | | | 0.1 | | SENSORS (TPOD / RDR) SIM | 310 |
| SAS | 232 | | | 1.0 | X | * | S | | (NS) | 231 | R | | 0.1 | | HI / MED / LOW ANGLE DIVE SIM | 210 |
| SAS | 233 | | | 1.0 | X | * | S | | (NS) | 231 | R | | 0.1 | | JDAM SIM | 686 |
| SAS | 234 | | | 1.0 | X | * | S | | (NS) | 231 | | | 0.1 | | LMAV / LGB SIM | 212 |
| AS | 235 | 1.3 | X | | | 180 | A | 2 | (NS) | 230 | R | | 0.6 | 202, 221, (252) | SACT | 227 |
| AS | 236 | 1.3 | X | | | 180 | A | 2+ | (NS) | 231 | | | 0.6 | 202, (252) | SENSORS | 312 |
| AS | 237 | 1.3 | X | | | 180 | A | 2+ | (NS) | 236 | | | 0.6 | 202, 236, (252) | TGT ACQ / PID | 314 |
| AS | 238 | 1.3 | X | | | 180 | A | 2+ | (NS) | 232, 237 | R | | 0.6 | 202, 236, 237, (252) | HI / MED ANGLE DIVE | 213 |
| AS | 239 | 1.3 | X | | | 180 | A | 2+ | (NS) | 232, 238 | | | 0.6 | 202, 236, 237, 238, (252) | MED / LO ANGLE STRAFE / ROCKET | 211 |
| AS | 240 | 1.3 | X | | | 180 | A | 2 | (NS) | 223, 239 | | | 0.6 | 202, 238, (252) | SGL / SEC / LOW ANGLE POP | 213 |
| AS | 241 | 1.3 | X | | | 180 | A | 2 | (NS) | 234, 237 | | | 0.6 | 202, 236, 237, (252) | LMAV / LGB ATK | 315 |
| AS | 242 | 1.3 | X | | | 180 | A | 2 | (NS) | 233, 237 | | | 0.6 | 202, 236, 237, (252) | JDAM | 686 |
| AS | 243 | 1.3 | X | | | 180 | A | 2+ | (NS) | 235, 239 | R | | 0.6 | 202, 235, 236, 237, 238, 239, 240, (252) | SEC / DIV (VISUAL) | 214 |
| AS | 244 | 1.3 | X | | | 180 | A | 2+ | (NS) | 235, 241, 242 | R | | 0.6 | 202, 235, 236, 237, 241, 242, (252) | SEC / DIV (STANDOFF) | 215 |
| | | **13.0** | **10** | **5.0** | **5** | | | | | | | | **6.5** | | | |
| **NS** | | | | | | | | | | | | | | | | |
| SNS | 250 | | | 1.0 | X | * | S | | NS | 244 | | | 0.1 | | SENSORS SIM | 311 |
| SNS | 251 | | | 1.0 | X | * | S | | NS | 250 | R | | 0.1 | | BCWD PROFILES SIM | 230 |
| NS | 252 | 1.3 | X | | | 180 | A | 2 | NS | 251 | R | | 0.6 | 202 | FAM / FORM | 232 |
| NS | 253 | 1.3 | X | | | * | A | 2 | NS | 252 | | | 0.6 | 202, 236, 237, 241, 252 | LGB / GPS | 313 |
| NS | 254 | 1.3 | X | | | * | A | 2 | NS | 253 | | | 0.6 | 202, 236, 238, 239, 252 | 20/30 DIVE / TRANSITION | 234 |
| NS | 255 | 1.3 | X | | | * | A | 2 | NS | 254 | R | | 0.6 | 202, 236, 237, 238, 239, 242, 252, 254 | TGT AREA MECHANICS (VIS/PGM) | 235 |
| | | **5.2** | **4** | **2.0** | **2** | | | | | | | | **2.6** | | | |
| **AA** | | | | | | | | | | | | | | | | |
| SAA | 260 | | | 1.0 | X | * | S | | | 244 | R | | 0.1 | | TVC / AIRCRAFT HANDLING SIM | 270 |
| AA | 261 | 1.3 | X | | | 180 | A | 2 | | 260 | | | 0.4 | 202 | TVC / AIRCRAFT HANDLING | 271 |
| AA | 262 | 1.3 | X | | | 180 | A | 2 | | 261 | | | 0.4 | 202 | 1V1 OFFENSIVE BFM | 271 |
| AA | 263 | 1.3 | X | | | 180 | A | 2 | | 262 | | | 0.4 | 202 | 1V1 DEFENSIVE BFM | 272 |
| AA | 264 | 1.3 | X | | | 180 | A | 2 | | 263 | R | | 0.4 | 202, 263, 262, 261 | 1V1 NEUTRAL / FQMD | 273 |
| SAA | 265 | | | 1.0 | X | * | S | | (NS) | 244 | | | 0.1 | | INTRO TO GCI SIM | 275 |
| SAA | 266 | | | 1.0 | X | * | S | | (NS) | 265 | | | 0.1 | | FORWARD QUARTER INTERCEPTS SIM | 276 |
| SAA | 267 | | | 1.0 | X | * | S | | (NS) | 266 | | | 0.1 | | REVIEW FORWARD QUARTER SIM | 277 |
| SAA | 268 | | | 1.0 | X | * | S | | (NS) | 267 | | | 0.1 | | SHORT RANGE RADAR MECH SIM | 279 |
| SAA | 269 | | | 1.0 | X | * | S | | (NS) | 268 | | | 0.1 | | FORMATION ANALYSIS SIM | 280 |
| SAA | 270 | | | 1.0 | X | * | S | | (NS) | 269 | | | 0.1 | | INTRO TO MANEUVERING ADVERSARIES | 278 |
| AA | 271 | 1.3 | X | | | 180 | A | 2 | | 264,270 | R | | 0.5 | 202, 261, 262, 263, 264 | 2V1 SECTION ENGAGED MANEUVERING | 274 |
| AA | 272 | 1.3 | X | | | 180 | A | 2 | | 271 | | | 0.5 | 202, 261, 262, 263, 264, 271 | 2V2 SECTION ENGAGED MANEUVERING | 286 |
| AA | 273 | 1.3 | X | | | 180 | A | 2 | | 272 | | | 0.5 | 202, 261, 262, 263, 264 | 1V1 INTERCEPTS | 283 |

| STAGE | TRNG CODE | FLT HOURS | FLIGHTS | SIM HOURS | SIMULATOR | REFLY INTVL | DEVICE | # OF A/C | CONDITIONS | PREREQ | POI | EVAL | CRP | CHAINING | SORTIE DESCRIPTION | EVENT CONV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| AA | 274 | 1.3 | X | | | 180 | A | 2 | | 273 | R | | 0.5 | 202, 261, 262, 263, 264, 271, 272, 273 | 2V2 BVR | 286 |
| | | **10.4** | **8** | **7.0** | **7** | | | | | | | | **4.3** | | | |
| | | **34.5** | **27** | **18.0** | **18** | | | | | | | | **15.0** | | | |
| **CORE SKILL ADVANCED 300 SERIES** | | | | | | | | | | | | | | | | |
| **CAS** | | | | | | | | | | | | | | | | |
| SCAS | 300 | | | 1.0 | X | * | S | | (NS) | 255 | R | | 0.3 | | TYPE 1 CAS SIM (SYSTEM MGMT) | 250 |
| SCAS | 301 | | | 1.0 | X | * | S | | (NS) | 300 | | | 0.3 | | TYPE 2 / 3 CAS SIM | 252 |
| SCAS | 302 | | | 1.0 | X | * | S | | (NS) | 301 | | | 0.3 | | DIGITAL CAS SIM | 251 |
| CAS | 303 | 1.3 | X | | | 180 | A | 2 | | 302 | R | | 1.5 | 202 | DAY TYPE 1 CAS | 253 |
| CAS | 304 | 1.3 | X | | | 180 | A | 2 | | 302 | | | 1.5 | 202 | DAY TYPE 2 / 3 CAS | 253 |
| CAS | 305 | 1.3 | X | | | 180 | A | 2 | NS | 303 | R | | 1.5 | 202, 303, 252 | NIGHT TYPE 1 CAS | 255 |
| CAS | 306 | 1.3 | X | | | 180 | A | 2 | NS | 304 | R | | 1.5 | 202, 304, 252 | NIGHT TYPE 2 / 3 CAS | 255 |
| CAS | 307 | 1.3 | X | | | * | A | 2 | (NS) | 302 | | | 1.5 | 202, (252) | URBAN CAS | 340 |
| | | **6.5** | **5** | **3.0** | **3** | | | | | | | | **8.4** | | | |
| **AR** | | | | | | | | | | | | | | | | |
| SAR | 310 | | | 1.0 | X | * | S | | | 255 | | | 0.3 | | DAY AR SIM | 245 |
| AR | 311 | 1.3 | X | | | 180 | A | 2+ | (NS) | 310 | | | 1.3 | 202, 236, 237, 238, 243, (252) | AR (GP) | 246 |
| AR | 312 | 1.3 | X | | | 180 | A | 2+ | | 311 | R | | 1.3 | 202, 236, 237, 244 | DAY AR (PGM) | 246 |
| AR | 313 | 1.3 | X | | | 180 | A | 2+ | NS | 312 | R | | 1.3 | 202, 236, 237, 244, 252, 311, 312 | NIGHT AR (PGM/GP) | 247 |
| | | **3.9** | **3** | **1.0** | **1** | | | | | | | | **4.2** | | | |
| **SCAR** | | | | | | | | | | | | | | | | |
| SCAR | 320 | 1.3 | X | | | 180 | A | 2 | | 313 | | | 1.2 | 202, 311, 312 | DAY SCAR | 490 |
| SCAR | 321 | 1.3 | X | | | 180 | A | 2 | NS | 320 | R | | 1.2 | 202, 252, 311, 312, 313, 320 | NIGHT SCAR | 491 |
| | | **2.6** | **2** | **0.0** | **0** | | | | | | | | **2.4** | | | |
| **AAW** | | | | | | | | | | | | | | | | |
| SAAW | 330 | | | 1.0 | X | * | S | | (NS) | 274, (255) | R | | 0.3 | | 2 GROUP PRESENTATIONS SIM | 281 |
| SAAW | 331 | | | 1.0 | X | * | S | | (NS) | 330, (255) | | | 0.3 | | DECOY TACTICS SIM | 282 |
| AAW | 332 | 1.3 | X | | | 270 | A | 2+ | (NS) | 331, (255) | R | | 1.1 | 202, (252), 261, 262, 263, 264, 271, 272, 273, 274 | DCA | 470 |
| | | **1.3** | **1** | **2.0** | **2** | | | | | | | | **1.7** | | | |
| **AI** | | | | | | | | | | | | | | | | |
| SAI | 350 | | | 1.0 | X | * | S | | (NS) | 200-level | | | 0.3 | | AI INTRODUCTION SIM | 240 |
| AI | 351 | 1.3 | X | | | 270 | A | 2+ | | 350 | R | | 1.0 | 202 | DAY AI MED ALT | 241 |
| AI | 352 | 1.3 | X | | | 270 | A | 2+ | NS | 350 | | | 1.0 | 202, 252, 351 | NIGHT AI MED ALT | 243 |
| AI | 353 | 1.3 | X | | | 270 | A | 4 | (NS) | 352 | R | | 1.0 | 202, (252), 352, 351 | DIV AI (AGGRESSED) MED ALT | 445 |
| | | **3.9** | **3** | **1.0** | **1** | | | | | | | | **3.3** | | | |
| | | **18.2** | **14** | **7.0** | **7** | | | | | | | | **20.0** | | | |
| **CORE SKILLS PLUS 400 SERIES** | | | | | | | | | | | | | | | | |
| **FCLP(D)** | | | | | | | | | | | | | | | | |
| SFCLP | 400 | | | 1.0 | X | * | S | | | 202 | R | | 0.1 | | FCLP SIM | 295 |
| FCLP | 401 | 2.0 | X | | | 365 | A | 1 | | 400 | R | | 0.1 | 202 | DAY FCLP QUAL | 296 |
| | | **2.0** | **1** | **1.0** | **1** | | | | | | | | **0.2** | | | |
| **FCLP(N)** | | | | | | | | | | | | | | | | |
| SFCLP | 402 | | | 1.0 | X | * | S | | N | 400 | R | | 0.1 | | NIGHT FCLP SIM | 390 |
| FCLP | 403 | 2.0 | X | | | * | A | 1 | N | 401, 402 | R | | 0.1 | 202, 401 | NIGHT FCLP | 392 |
| SFCLP | 404 | | | 1.0 | X | * | S | | NS | 402, 255 | R | | 0.1 | | NIGHT FCLP SIM (NVG) | 391 |
| FCLP | 405 | 2.0 | X | | | 365 | A | 1 | NS | 401, 404 | R | | 0.1 | 202, 252, 401 | NIGHT FCLP (NVG) | 393 |
| | | **4.0** | **2** | **2.0** | **2** | | | | | | | | **0.4** | | | |
| **CQ(D)** | | | | | | | | | | | | | | | | |
| SCQ | 410 | | | 1.0 | X | * | S | | | 401 | R | | 0.1 | | CQ SIM | 297 |
| CQ | 411 | 3.0 | X | | | 365 | A | 1 | | 410 | R | | 0.2 | 202, 401 | DAY CQ QUAL | 298 |
| | | **3.0** | **1** | **1.0** | **1** | | | | | | | | **0.3** | | | |
| **CQ(N)** | | | | | | | | | | | | | | | | |
| SCQ | 412 | | | 1.0 | X | * | S | | N | 411 | R | | 0.1 | | NIGHT CQ SIM | 394 |
| CQ | 413 | 2.0 | X | | | * | A | 1 | N | 412 | R | | 0.2 | 202, 401, 403, 411 | NIGHT CQ | 396 |
| SCQ | 414 | | | 1.0 | X | * | S | | NS | 411, 255 | R | | 0.1 | | NIGHT CQ SIM (NVG) | 395 |
| CQ | 415 | 3.0 | X | | | 365 | A | 1 | NS | 414 | R | | 0.2 | 202, 252, 401, 405, 411 | NIGHT CQ (NVG) | 397 |
| | | **5.0** | **2** | **2.0** | **2** | | | | | | | | **0.6** | | | |

| STAGE | TRNG CODE | FLT HOURS | FLIGHTS | SIM HOURS | SIMULATOR | REFLY INTVL | DEVICE | # OF A/C | CONDITIONS | PREREQ | POI | EVAL | CRP | CHAINING | SORTIE DESCRIPTION | EVENT CONV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **FBO** | | | | | | | | | | | | | | | | |
| SFBO | 420 | | | 1.0 | X | * | S | | | 202 | R | | 0.1 | | FBO SIM | 410 |
| FBO | 421 | 2.0 | X | | | 365 | A | 1 | | 420 | R | | 0.2<br>202 | | DAY FBO | 412 |
| SFBO | 422 | | | 1.0 | X | * | S | | (NS) | 420, (255) | R | | 0.1 | | NIGHT FBO SIM | 411 |
| FBO | 423 | 2.0 | X | | | 365 | A | 1 | (NS) | 422, 421 | R | | 0.2 | 202, (252), 421 | NIGHT FBO | 413 |
| | | **4.0** | **2** | **2.0** | **2** | | | | | | | | **0.6** | | | |
| **ADVANCED LAT** | | | | | | | | | | | | | | | | |
| LAT | 430 | 1.3 | X | | | 180 | A | 2 | | 223 | | | 0.1 | 221 | LAT TGT MECH / TGT ATTACKS | 224 |
| LAT | 431 | 1.3 | X | | | 180 | A | 2 | | 243,430 | R | | 0.1 | 221, 430 | SECTION LAT SACT | 227 |
| SLAT | 432 | | | 1.0 | X | * | S | | NS | 431, 255 | | | 0.1 | | BASIC / ADVANCED LAT SIM (NVG) | 420 |
| SLAT | 433 | | | 1.0 | X | * | S | | NS | 432 | R | | 0.1 | | TGT ATTACKS / TCT SIM (NVG) | 421 |
| LAT | 434 | 1.3 | X | | | 180 | A | 2 | NS | 433 | | | 0.1 | 202, 252 | BASIC LAT (NVG) | 422 |
| LAT | 435 | 1.3 | X | | | 180 | A | 2 | NS | 434 | R | | 0.1 | 202, 252, 431, 434 | TCT / ADVANCED LAT (NVG) | 423 |
| LAT | 436 | 1.3 | X | | | 180 | A | 2 | NS | 435 | | | 0.1 | 202, 252 | INTRO LAT AS WINGMAN (NVG) | 424 |
| LAT | 437 | 1.3 | X | | | 180 | A | 2 | NS | 436 | R | | 0.1 | 202, 252, 430, 431, 434, 435, 436 | LAT TGT MECH / TGT ATTACKS (NVG) | 425 |
| | | **7.8** | **6** | **2.0** | **2** | | | | | | | | **0.8** | | | |
| **ASSAULT SUPPORT ESCORT** | | | | | | | | | | | | | | | | |
| ASE | 440 | 1.3 | X | | | 365 | A | 2+ | (NS) | 307, 313 | R | | 0.1 | 202, (252) | ASSAULT SPT ESCORT | 260 |
| | | **1.3** | **1** | **0.0** | **0** | | | | | | | | **0.1** | | | |
| **GROUND CONVOY ESCORT** | | | | | | | | | | | | | | | | |
| GCE | 441 | 1.3 | X | | | 365 | A | 2+ | (NS) | 307, 313 | R | | 0.1 | 202, (252) | CONVOY ESCORT | |
| | | **1.3** | **1** | **0.0** | **0** | | | | | | | | **0.1** | | | |
| **LOW ALTITUDE OAS** | | | | | | | | | | | | | | | | |
| OAS | 450 | 1.3 | X | | | 365 | A | 2 | (NS) | 307, 431, (437) | R | | 0.1 | 202, 221, (252) | LOW ALTITUDE CAS | 254 |
| OAS | 451 | 1.3 | X | | | 365 | A | 2+ | (NS) | 353, 431, (437) | R | | 0.1 | 202, 221, (252) | LOW ALTITUDE AI | 242 |
| | | **2.6** | **2** | **0.0** | **0** | | | | | | | | **0.2** | | | |
| **NTISR** | | | | | | | | | | | | | | | | |
| NTISR | 460 | 1.3 | X | | | 365 | A | 2 | (NS) | 244, (255) | R | | 0.1 | 244, (252) | NON-TRADITIONAL ISR | 314 |
| | | **1.3** | **1** | **0.0** | **0** | | | | | | | | **0.1** | | | |
| **LFE** | | | | | | | | | | | | | | | | |
| LFE | 470 | 1.3 | X | | | 365 | A | 4+ | | 353 | | | 0.0 | 202 | DAY LFE | 480 |
| LFE | 471 | 1.3 | X | | | 365 | A | 4+ | NS | 353 | R | | 0.0 | 202, 470 | NIGHT LFE | 481 |
| | | **2.6** | **2** | **0.0** | **0** | | | | | | | | **0.0** | | | |
| **FAC(A)** | | | | | | | | | | | | | | | | |
| SFAC(A) | 480 | | | 1.0 | X | * | S | | | 307, 321 | | | 0.1 | | TYPE I / II / III SIM | |
| SFAC(A) | 481 | | | 1.0 | X | * | S | | | 480 | | | 0.1 | | ADVERSE WX HI THRT SIM | |
| FAC(A) | 482 | 1.3 | X | | | * | A | 2 | | 481 | | | 0.1 | 202, 304 | FW PGM | |
| FAC(A) | 483 | 1.3 | X | | | 90 | A | 2 | | 481 | R | | 0.1 | 202, 303, 482 | FW GP | |
| FAC(A) | 484 | 1.3 | X | | | * | A | 2 | (NS) | 481 | | | 0.1 | 202, 303, 304, (252) | RW TYPE I / II / III | |
| FAC(A) | 485 | 1.3 | X | | | * | A | 2 | (NS) | 481 | | | 0.1 | 202, 303, 304, 307, (252) | URBAN TYPE I / II / III | |
| FAC(A) | 486 | 1.3 | X | | | * | A | 2 | (NS) | 481 | | | 0.1 | 202, (252) | AIRSPOT | |
| FAC(A) | 487 | 1.3 | X | | | 180 | A | 2 | NS | 482, 483, 484, 485, 486 | R | | 0.1 | 202, 252, 305, 306 | NIGHT FAC(A) BASICS | |
| FAC(A) | 488 | 1.3 | X | | | 365 | A | 2 | | 487 | R | | 0.1 | 202, 303, 304 | DAY MED THREAT | |
| FAC(A) | 489 | 1.3 | X | | | 365 | A | 2 | NS | 488 | R | | 0.1 | 202, 305, 306 | NIGHT MED THREAT | |
| FAC(A) | 490 | 1.3 | X | | | 365 | A | 2 | (NS) | 489 | R | | 0.1 | 202 | TARGET AREA INTEGRATION | |
| FAC(A) | 491 | 1.3 | X | | | * | | 2 | (NS) | 490 | | | 0.1 | 202 | ADVERSE WX, HIGH THREAT | |
| FAC(A) | 492 | 1.3 | X | | | * | | 2 | (NS) | 490 | | | 0.1 | 202 | UAV / UCAV INTEGRATION | |
| FAC(A) | 493 | 1.3 | X | | | * | | 2 | (NS) | 490 | | | 0.1 | 202 | NSFS AIRSPOT | |
| FAC(A) | 494 | 1.3 | X | | | * | | 2 | (NS) | 490 | | | 0.1 | 202 | AC-130 CFF | |
| | | **16.9** | **13** | **0.0** | **2** | | | | | | | | **1.5** | | | |
| **ESCORT** | | | | | | | | | | | | | | | | |
| ESC | 495 | 1.3 | X | | | 1095 | | 2 | (NS) | SECTION LEAD | R | | 0.1 | | FAC(A) ESCORT | |
| | | **1.3** | **1** | **0.0** | | | | | | | | | **0.1** | | | |
| | | **46.8** | **32** | **8.0** | **10** | | | | | | | | **5.0** | | | |
| **INSTRUCTOR TRAINING 500 SERIES** | | | | | | | | | | | | | | | | |
| **WTO** | | | | | | | | | | | | | | | | |
| SWTO | 500 | | | 1.0 | X | * | S | | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 550 |
| SWTO | 501 | | | 1.0 | X | * | S | | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 551 |
| SWTO | 502 | | | 1.0 | X | * | S | | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 552 |
| SWTO | 503 | | | 1.0 | X | * | S | | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 553 |
| WTO | 504 | 1.3 | X | | | * | A | 2 | (NS) | | | E | 0.0 | 202, 236, 238, 241, (252) | MAWTS-1 PROGRAM GUIDE | 554 |

| STAGE | TRNG CODE | FLT HOURS | FLIGHTS | SIM HOURS | SIMULATOR | REFLY INTVL | DEVICE | # OF A/C | CONDITIONS | PREREQ | POI | EVAL | CRP | CHAINING | SORTIE DESCRIPTION | EVENT CONV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| WTO | 505 | 1.3 | X | | | * | A | 2 | (NS) | | | E | 0.0 | 202, 236, 238, 241, 242, 243, 244, (252) | MAWTS-1 PROGRAM GUIDE | 555 |
| **LATI** | | | | | | | | | | | | | | | | |
| SLATI | 510 | | | 1.0 | X | * | S | | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 560 |
| SLATI | 511 | | | 1.0 | X | * | S | | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 561 |
| LATI | 512 | 1.0 | X | | | * | A | 2 | | | | E | 0.0 | 202, 222 | MAWTS-1 PROGRAM GUIDE | 562 |
| LATI | 513 | 1.0 | X | | | * | A | 2 | | | | E | 0.0 | 202, 222, 223, 431 | MAWTS-1 PROGRAM GUIDE | 563 |
| LATI | 514 | 1.0 | X | | | * | A | 2 | | | | E | 0.0 | 202, 222, 223, 430, 431, 451 | MAWTS-1 PROGRAM GUIDE | 564 |
| **NSI** | | | | | | | | | | | | | | | | |
| SNSI | 520 | | | 1.0 | X | * | S | | NS | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 583 |
| SNSI | 521 | | | 1.0 | X | * | S | | NS | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 583 |
| NSI | 522 | 1.3 | X | | | * | A | 2 | NS | | | E | 0.0 | 202, 252 | MAWTS-1 PROGRAM GUIDE | 585 |
| NSI | 523 | 1.3 | X | | | * | A | 2 | NS | | | E | 0.0 | 202, 252 | MAWTS-1 PROGRAM GUIDE | 585 |
| **NSQ LATI** | | | | | | | | | | | | | | | | |
| SNSLATI | 524 | | | 1.0 | X | * | S | | NS | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 582 |
| SNSLATI | 525 | | | 1.0 | X | * | S | | NS | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 582 |
| NS LATI | 526 | 1.3 | X | | | * | A | 2 | NS | | | E | 0.0 | 202, 252, 434, 435, 436, 437 | MAWTS-1 PROGRAM GUIDE | 584 |
| **ACTI** | | | | | | | | | | | | | | | | |
| SACTI | 530 | | | 1.0 | X | * | S | | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | 570 |
| ACTI | 531 | 1.3 | X | | | * | A | 2 | | | | E | 0.0 | 202, 261, 262, 263 | MAWTS-1 PROGRAM GUIDE | 571 |
| ACTI | 532 | 1.3 | X | | | * | A | 2 | | | | E | 0.0 | 202, 271 | MAWTS-1 PROGRAM GUIDE | 572 |
| ACTI | 533 | 1.3 | X | | | * | A | 2 | | | | E | 0.0 | 202, 272, 274, 332 | MAWTS-1 PROGRAM GUIDE | 573 |
| **FAC(A)I** | | | | | | | | | | | | | | | | |
| SFAC(A)I | 540 | | | 1.0 | X | * | S | | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | |
| FAC(A)I | 541 | 1.3 | X | | | * | A | 2 | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | |
| FAC(A)I | 542 | 1.3 | X | | | * | A | 2 | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | |
| FAC(A)I | 543 | 1.3 | X | | | * | A | 2 | | | | E | 0.0 | | MAWTS-1 PROGRAM GUIDE | |
| **VMA FRS IUT** | | | | | | | | | | | | | | | | |
| SIUT | 550 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 500 |
| SIUT | 551 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 501 |
| IUT | 552 | 1.3 | X | | | * | A | 1 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 502 |
| IUT | 553 | 1.3 | X | | | * | A | 1 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 503 |
| SIUT | 554 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 504 |
| IUT | 555 | 1.3 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 507 |
| IUT | 556 | 1.3 | X | | | * | A | 4 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 508 |
| IUT | 557 | 1.3 | X | | | * | A | 4 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 509 |
| IUT | 558 | 1.3 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 542 |
| GIUT | 559 | | | | | * | | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 505 |
| SIUT | 560 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 540 |
| IUT | 561 | 1.1 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 511 |
| SIUT | 562 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 510 |
| SIUT | 563 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 511 |
| IUT | 564 | 1.1 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 512 |
| IUT | 565 | 1.1 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 513 |
| IUT | 566 | 1.1 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| SIUT | 567 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 515 |
| IUT | 568 | 1.1 | X | | | * | A | 1 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 517 |
| IUT | 569 | 1.1 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| GIUT | 570 | | | | | * | | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| IUT | 571 | 1.3 | X | | | * | A | 1 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 522 |
| IUT | 572 | 1.3 | X | | | * | A | 1 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 523 |
| SIUT | 573 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 524 |
| SIUT | 574 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 525 |
| IUT | 575 | 1.3 | X | | | * | A | 1 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 526 |
| SIUT | 576 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 536 |
| SIUT | 577 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| IUT | 580 | 1.3 | X | | | * | A | 1 | NS | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 544 |
| IUT | 581 | 1.3 | X | | | * | A | 2 | NS | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| IUT | 582 | 1.3 | X | | | * | A | 2 | NS | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 546 |
| SIUT | 583 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| IUT | 584 | 1.1 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| IUT | 585 | 1.1 | X | | | * | A | 1 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| SIUT | 586 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 529 |
| IUT | 587 | 1.1 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 533 |
| IUT | 588 | 1.1 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 530 |
| IUT | 589 | 1.1 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |

| STAGE | TRNG CODE | FLT HOURS | FLIGHTS | SIM HOURS | SIMULATOR | REFLY INTVL | DEVICE | # OF A/C | CONDITIONS | PREREQ | POI | EVAL | CRP | CHAINING | SORTIE DESCRIPTION | EVENT CONV |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| SIUT | 590 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| SIUT | 591 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| GIUT | 592 | | | | | * | | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| IUT | 593 | 1.3 | X | | | * | A | 2 | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | |
| SIUT | 595 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 527 |
| SIUT | 599 | | | 1.5 | X | * | S | | | | IP | E | 0.0 | | VMAT-203 IUT FLIGHT SYLLABUS GUIDE | 547 |
| **REQUIREMENTS, QUALIFICATIONS, AND DESIGNATIONS 600 SERIES** | | | | | | | | | | | | | | | | |
| **REQUIREMENTS** | | | | | | | | | | | | | | | | |
| RQD | 600 | | | 1.5 | X | 365 | S/A | 2 | (NS) | PER PHASE DESC | R | E | | | NATOPS CHECK | 600 |
| RQD | 601 | | | 1.5 | X | 365 | S/A | 2 | (NS) | PER PHASE DESC | R | E | | | INSTRUMENT CHECK | 601 |
| RQD | 602 | | | 1.5 | X | 365 | S/A | 2 | (NS) | PER PHASE DESC | R | E | | | CREW RESOURCE MANAGEMENT | 617 |
| RQD | 603 | | X | | | 90 | A | 2+ | (NS) | PER PHASE DESC | R | | | PER SCENARIO | SECTION LEAD PROF. FLIGHT | 674 |
| RQD | 604 | | X | | | 180 | A | 4+ | (NS) | PER PHASE DESC | R | | | PER SCENARIO | DIVISION LEAD PROF. FLIGHT | 675 |
| RQD | 605 | | X | | | 365 | A | 4+ | (NS) | PER PHASE DESC | R | | | PER SCENARIO | MISSION COMMANDER PROF. FLIGHT | 676 |
| **QUALIFICATIONS** | | | | | | | | | | | | | | | | |
| QUAL | 610 | 0.0 | | | | | | | | PER PHASE DESC | | E | | | AAR QUAL | 205 |
| QUAL | 611 | 0.0 | | | | | A | 2 | | PER PHASE DESC | | E | | | LAT QUAL | 610 |
| QUAL | 612 | 0.0 | | | | | A | 2 | NS | PER PHASE DESC | | E | | | NS QUAL | 614 |
| QUAL | 613 | 0.0 | | | | | A | 2 | | PER PHASE DESC | | E | | | ACM QUAL | 613 |
| QUAL | 614 | 0.0 | | | | | A | 1 | | PER PHASE DESC | | E | | | CQ (DAY) | 611 |
| QUAL | 615 | 0.0 | | | | | A | 1 | NS | PER PHASE DESC | | E | | | CQ (NIGHT) | 612 |
| QUAL | 616 | 0.0 | | | | | A | 2 | NS | PER PHASE DESC | | E | | | LAT QUAL (NS) | 615 |
| QUAL | 617 | 0.0 | | | | | A | 2 | | PER PHASE DESC | | E | | | FAC(A) | |
| QUAL | 618 | 0.0 | | | | | A | 1 | | PER PHASE DESC | | E | | | AIRSHOW DEMO PILOT | 618 |
| **DESIGNATION: SECTION LEAD** | | | | | | | | | | | | | | | | |
| SSL | 620 | | | 1.0 | X | * | S | | (NS) | PER PHASE DESC | | E | | | SACT SIMULATOR | 651 |
| SSL | 621 | | | 1.0 | X | * | S | | (NS) | 620 | | E | | | PGM EMPLOYMENT SIMULATOR | 651 |
| SL | 622 | 1.3 | X | | | * | A | 2 | (NS) | 620 | | E | | 202, 236, 237, 241, 242, (252) | PGM EMPLOYMENT | 651 |
| SL | 623 | 1.3 | X | | | * | A | 2 | | 621 | | E | | 202, 261, 262, 263, 264 | 1V1 BFM | 647 |
| SL | 624 | 1.3 | X | | | * | A | 2 | (NS) | 621 | | E | | 202, (252), 303, (305) | CAS TYPE 1 | 641 |
| SL | 625 | 1.3 | X | | | * | A | 2 | (NS) | 621 | R | E | | 202, (252), 304, (306) | CAS TYPE 2 / 3 | 642 |
| SL | 626 | 1.3 | X | | | * | A | 2 | (NS) | 621 | | E | | 202, (252), 311, 312, (313), 320, (321) | SCAR | 643 |
| SL | 627 | 1.3 | X | | | * | A | 2 | | 621 | | E | | 202, (252), 261, 262, 263, 264, 271, 272, 273 | DCA | 650 |
| | | **7.8** | **6** | **2.0** | **2** | | | | | | | | | | | |
| **DESIGNATION: DIVISION LEAD** | | | | | | | | | | | | | | | | |
| DL | 630 | 1.3 | X | | | * | A | 3+ | (NS) | PER PHASE DESC | | E | | 202, 244, (252) | TARGET AREA TACTICS | 654 |
| DL | 631 | 1.3 | X | | | * | A | 3+ | (NS) | PER PHASE DESC | | E | | 202, (252), 311, 312, 313 | ARMED RECCE | 655 |
| DL | 632 | 1.3 | X | | | * | A | 3+ | | PER PHASE DESC | R | E | | 202, (252), 351, 353 | AI (DAY) | 653 |
| DL | 633 | 1.3 | X | | | * | A | 3+ | NS | PER PHASE DESC | | E | | 202, (252), 352, 353 | AI (NIGHT) | 656 |
| | | **5.2** | **4** | **0.0** | **0** | | | | | | | | | | | |
| **DESIGNATION: MISSION COMMANDER** | | | | | | | | | | | | | | | | |
| MC | 636 | 2.0 | X | | | * | A | 4+ | (NS) | PER PHASE DESC | R | E | | PER SCENARIO | MISSION COMMANDER LFE (STRIKE) | 659 |
| MC | 637 | 2.0 | X | | | * | A | 4+ | (NS) | PER PHASE DESC | | E | | PER SCENARIO | MISSION COMMANDER LFE (SCAR) | 657 |
| **DESIGNATION: PMCF** | | | | | | | | | | | | | | | | |
| DESG | 640 | | | 1.5 | X | * | S | | | PER PHASE DESC | R | E | | | PMCF SIMULATOR | 666 |
| DESG | 641 | 1.5 | X | | | 180 | A | 1 | | 202 | R | | | 202 | PMCF | 667 |
| **DESIGNATION: DEMO PILOT** | | | | | | | | | | | | | | | | |
| DESG | 642 | | | 1.5 | X | * | S | | | PER PHASE DESC | R | E | | | AIR SHOW DEMO SIMULATOR | 618 |
| DESG | 643 | .8 | X | | | 365 | A | 1 | | 202 | R | | | 202 | LEVEL III AIR SHOW DEMO | 618 |
| **TRACKING** | | | | | | | | | | | | | | | | |
| TRK | 650 | | | | | 365 | A | 1+ | (NS) | 210,(211) | | | | | STRATEGIC AAR | 673 |
| TRK | 651 | | | | | 90 | A | 1+ | (NS) | | | | | | TPOD EMPLOYMENT | |
| TRK | 652 | | | | | 180 | A | 1+ | (NS) | | | | | | ALQ-164 EMPLOYMENT | 689 |
| TRK | 653 | | | | | 90 | A | 1+ | (NS) | | | | | | ALE-39 EMPLOYMENT | |
| TRK | 654 | | | | | 180 | A | 1+ | (NS) | | | | | | GAU-12 (AS) | 678 |
| TRK | 655 | | | | | 90 | A | 1+ | (NS) | | | | | | EMPLOY MK-76/BDU-48/BDU-45/MK-831 | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TRK | 656 | | | | | 180 | A | 1+ | (NS) | | | | | | EMPLOY MK-82/83 HE | 677 |
| TRK | 657 | | | | | 365 | A | 1+ | (NS) | | | | | | EMPLOY CLUSTER MUNITION | 679 |
| TRK | 658 | | | | | 1095 | A | 1+ | (NS) | | | | | | EMPLOY MK-77 | 680 |
| TRK | 659 | | | | | 365 | A | 1+ | (NS) | | | | | | EMPLOY ROCKETS | 681 |
| TRK | 660 | | | | | 365 | A | 1+ | (NS) | | | | | | EMPLOY LUU-2/19 | 682 |
| TRK | 661 | | | | | 180 | A | 1+ | (NS) | | | | | | CAPTIVE AGM-65E | |
| TRK | 662 | | | | | 1095 | A | 1+ | (NS) | | | | | | EMPLOY AGM-65E | 683 |
| TRK | 663 | | | | | 90 | A | 1+ | (NS) | | | | | | EMPLOY LGTR | |
| TRK | 664 | | | | | 180 | A | 1+ | (NS) | | | | | | EMPLOY GBU-12/16 | 685 |
| TRK | 665 | | | | | 365 | A | 1+ | (NS) | | | | | | EMPLOY GBU-32/38 | 686 |
| TRK | 666 | | | | | 1095 | A | 1+ | | | | | | | EMPLOY GAU-12 (AA) | 688 |
| TRK | 667 | | | | | 1095 | A | 1+ | | | | | | | EMPLOY AIM-9 | 687 |
| TRK | 668 | | | | | | | | | | | | | | RANGE REQUIREMENT UNAVAILABLE | |
| TRK | 669 | | | | | | | | | | | | | | ORDNANCE REQUIREMENT UNAVAILABLE | |
| TRK | 670 | | | | | | | | | | | | | | SYLLABUS SUPPORT UNAVAILABLE | |
| TRK | 671 | | | | | | | | | | | | | | INCOMPLETE FAM EVENT | |
| TRK | 672 | | | | | | | | | | | | | | INCOMPLETE AAR EVENT | |
| TRK | 673 | | | | | | | | | | | | | | INCOMPLETE LAT EVENT | |
| TRK | 674 | | | | | | | | | | | | | | INCOMPLETE AS EVENT | |
| TRK | 675 | | | | | | | | | | | | | | INCOMPLETE NS EVENT | |
| TRK | 676 | | | | | | | | | | | | | | INCOMPLETE AA EVENT | |
| TRK | 677 | | | | | | | | | | | | | | INCOMPLETE CAS EVENT | |
| TRK | 678 | | | | | | | | | | | | | | INCOMPLETE AR EVENT | |
| TRK | 679 | | | | | | | | | | | | | | INCOMPLETE SCAR EVENT | |
| TRK | 680 | | | | | | | | | | | | | | INCOMPLETE AAW EVENT | |
| TRK | 681 | | | | | | | | | | | | | | INCOMPLETE AI EVENT | |
| TRK | 682 | | | | | | | | | | | | | | INCOMPLETE FCLP | |
| TRK | 683 | | | | | | | | | | | | | | INCOMPLETE CQ | |
| TRK | 684 | | | | | | | | | | | | | | INCOMPLETE FBO | |
| TRK | 685 | | | | | | | | | | | | | | INCOMPLETE LAT (NS) EVENT | |
| TRK | 686 | | | | | | | | | | | | | | INCOMPLETE ASE EVENT | |
| TRK | 687 | | | | | | | | | | | | | | INCOMPLETE GCE EVENT | |
| TRK | 688 | | | | | | | | | | | | | | INCOMPLETE OAS EVENT | |
| TRK | 689 | | | | | | | | | | | | | | INCOMPLETE NTISR EVENT | |
| TRK | 690 | | | | | | | | | | | | | | INCOMPLETE LFE EVENT | |
| TRK | 691 | | | | | | | | | | | | | | INCOMPLETE FAC(A) EVENT | |
| TRK | 692 | | | | | | | | | | | | | | INCOMPLETE ESC EVENT | |
| TRK | 693 | 1.0 | X | | | * | A | 1 | | 202 | | | | | DAY CAL SITE OPERATIONS | 690 |
| TRK | 694 | 1.0 | X | | | * | A | 1 | NS | 693 | | | | | NIGHT CAL SITE OPERATIONS | 691 |
| TRK | 695 | 1.0 | X | | | * | A | 1 | | 412 | | | | | DAY ROAD OPERATIONS | 692 |
| TRK | 696 | 1.0 | X | | | * | A | 1 | NS | 413, 695 | | | | | NIGHT ROAD OPERATIONS | 693 |
| TRK | 697 | 1.0 | X | | | * | A | 1 | | 412 | | | | | GRASS OPERATIONS | 694 |
| **LSO, LSI, LSS DESIGNATION AND TRACKING 700 SERIES** | | | | | | | | | | | | | | | | |
| DESIG | 700 | | | | | | F | | | | | | | | LSO: DAY BASIC FIELD | 700 |
| DESIG | 701 | | | | | | F | | | | | | | | LSO: NIGHT BASIC FIELD | 701 |
| DESIG | 702 | | | | | | L | | | | | | | | LSO: DAY BASIC SHIP | 702 |
| DESIG | 703 | | | | | | L | | | | | | | | LSO: NIGHT BASIC SHIP | 703 |
| DESIG | 704 | | | | | | L | | | | | | | | LSO: DAY ADVANCED | 704 |
| DESIG | 705 | | | | | | L | | | | | | | | LSO: NIGHT ADVANCED | 705 |
| DESIG | 706 | | | | | | L | | | | | | | | LSO: DAY TRAINING | 706 |
| DESIG | 707 | | | | | | L | | | | | | | | LSO: NIGHT TRAINING | 707 |
| DESIG | 710 | | | | | | F | | | | | | | | LSI: DAY FACILITY | 710 |
| DESIG | 711 | | | | | | F | | | | | | | | LSI: NIGHT FACILITY | 711 |
| DESIG | 712 | | | | | | R | | | | | | | | LSS: DAY ROAD | 712 |
| DESIG | 713 | | | | | | R | | | | | | | | LSS: NIGHT ROAD | 713 |
| DESIG | 714 | | | | | | C | | | | | | | | LSS: DAY CAL SITE | 714 |
| DESIG | 715 | | | | | | C | | | | | | | | LSS: NIGHT CAL SITE | 715 |
| TRK | 720 | | | | | | P | | | | | | | | LSO: CONTROL DAY FCLP | 720 |
| TRK | 721 | | | | | | P | | | | | | | | LSO: CONTROL NIGHT FCLP (UNAIDED) | 721 |
| TRK | 722 | | | | | | P | | | | | | | | LSO: CONTROL NIGHT FCLP (AIDED) | 722 |
| TRK | 723 | | | | | | L | | | | | | | | LSO: CONTROL DAY SHIP | 723 |
| TRK | 724 | | | | | | L | | | | | | | | LSO: CONTROL NIGHT SHIP (UNAIDED) | 724 |
| TRK | 725 | | | | | | L | | | | | | | | LSO: CONTROL NIGHT SHIP (AIDED) | 725 |
| TRK | 726 | | | | | | L | | | | | | | | TRAINING LSO: CONTROL DAY | 726 |
| TRK | 727 | | | | | | L | | | | | | | | TRAINING LSO: CONTROL NIGHT | 727 |
| TRK | 730 | | | | | | F | | | | | | | | LSI: CONTROL DAY FACILITY | 730 |
| TRK | 731 | | | | | | F | | | | | | | | LSI: CONTROL NIGHT FACILITY | 731 |
| TRK | 732 | | | | | | R | | | | | | | | LSS: CONTROL DAY ROAD | 732 |
| TRK | 733 | | | | | | R | | | | | | | | LSS: CONTROL NIGHT ROAD | 733 |
| TRK | 734 | | | | | | C | | | | | | | | LSS: CONTROL DAY CAL SITE | 734 |
| TRK | 735 | | | | | | C | | | | | | | | LSS: CONTROL NIGHT CAL SITE | 735 |